September 30, 1965

TECHNICAL TRANSLATIONS

A

ПЕРЕВОДЫ
ÜBERSETZUNGEN
TRADUCTIONS
TRADUZIONI
PRZEKŁADY
TRADUCCIONES
ПРЕВОДИ-PRIJEVODI
PŘEKLADY
תירגומים
ترجمات
翻譯文書

KORNHAUSER MEMORIAL MEDICAL LIBRARY
NOV 4 1965
UNIVERSITY OF LOUISVILLE

CLEARINGHOUSE
FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION

U. S. DEPARTMENT OF COMMERCE / NATIONAL BUREAU OF STANDARDS / INSTITUTE FOR APPLIED TECHNOLOGY

September 30, 1965 Volume 14, Number 6

TECHNICAL TRANSLATIONS

Issued twice a month by the Clearinghouse for Federal Scientific and Technical Information in cooperation with the Special Libraries Association Translations Center and the European Translations Centre. Annual subscription $12 ($4 additional for foreign mailing). Single copy 60 cents. Make remittance payable to Superintendent of Documents and mail either to a Department of Commerce Field Office or to Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Address changes are to be made to Superintendent of Documents.

PURPOSE

Technical Translations announces to the public the availability and provides order information for translated scientific and technical reports, periodicals and books. Although most of the literature has been translated into English, some is in other Western European languages. The language of the translation, if other than English, is noted in the citation. Most of the material is of Soviet origin, but works from Eastern and Western European countries and from the Orient, especially Japan and Communist China, are also cited. In order to avoid duplication of effort, translations in process are also announced.

FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are divided into 22 major fields; they are further subdivided alphanumerically under 178 groups. References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

(2) Translations in Process lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(3) Translated or Abstracted Publications lists titles of approximately 190 technical and scientific periodicals regularly translated into English. Included is a cross reference by English title.

(4) Translated Tables of Contents of recent issues of monographs, journals, and journal sections; they are preceded by a list of the English titles of the publications from which they are taken.

(5) Indexes: three indexes are arranged by author, journal and number.

HOW TO ORDER

Each bibliographic entry contains the acronym or initials of the agency from which the translation is to be ordered; these are keyed to the complete list of ordering addresses listed in the pages headed "Directory of Sources." Order by the title and number given in the citation. Translations available from the Clearinghouse (CFSTI) often have alternative prices cited as hard copy (HC) and microfiche copy (MF). Make check or money order payable to agency indicated. Most of the literature is available from the Clearinghouse, the Special Libraries Association Translations Center (SLA), or the European Translations Centre (ETC).

REFERENCE SERVICE

Reference services for the location and identification of translated materials, completed or in process, are provided by the Clearinghouse, Special Libraries Association Translations Center, and the European Translations Centre. Mailing addresses are listed in "Directory of Sources."

TRANSLATORS

The work of translating the material listed is being done at many points, domestic and foreign, government and private. Among them are the Joint Publications Research Service, which translates foreign research at the request of other Federal agencies; commercial translators; publishers; and universities. The Special Foreign Currency Science Information Program, administered by the National Science Foundation, produces translations prepared in the participating countries of Israel, Poland and Yugoslavia. The Special Libraries Association is responsible for collecting translations from non-government sources, domestic and foreign; and the Clearinghouse from foreign and U.S. Government sources. Translators may have their works cited in the journal by sending the bibliographic and availability information to the Clearinghouse. A copyright release statement is required if the works are to be sold by the Clearinghouse.

U.S. DEPARTMENT OF COMMERCE
John T. Connor, Secretary

CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION
Springfield, Va. 22151
Bernard M. Fry, Director

Contents may be reprinted freely. Mention of source will be appreciated.
Use of Funds for printing this publication approved by the Director of the Bureau of the Budget, November 22, 1961.

KORNHAUSER MEMORIAL
MEDICAL LIBRARY
NOV 4 1985
UNIVERSITY
OF LOUISVILLE

UNITED STATES DEPARTMENT OF COMMERCE
Clearinghouse for Federal Scientific and Technical Information
Formerly Office of Technical Services
Springfield, Va. 22151

TECHNICAL TRANSLATIONS

01 AERONAUTICS

A. Aerodynamics

TT-65-62664 Field 1A, 12A

Avdueskii, V. S.
METHOD OF CALCULATION SPATIAL TURBULENT BOUNDARY LAYER IN COMPRESSIBLE GAS. 17 Apr 63, 26p, 6refs. FTD-MT-63-21; AD-618 334.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-618 334

Edited machine trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n4 p3-12 1962.

TT-65-62665 Field 1A

Makarov, I. S.; Khudenko, B. G.
MIXING OF INTERSECTING TURBULENT JETS (Smeshenie Peresekayushchikhsya Turbulentnykh Strui). 14 Jul 65, 7p. ATD-T-65-48; AD-618 390.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 390

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v8 n4 p447-50 1965.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62706 Field 1A

Ilizarova, L. I.; Pochkina, K. A.
EXPERIMENTAL INVESTIGATION OF THE WAKE BEHIND A BODY OF REVOLUTION. 25 May 65, 14p, 8refs. FTD-TT-65-86; AD-618 642.
Available on loan from CFSTI as TT-65-62706

Unedited rough draft trans. of Promyshlennaya Aerodinamika (USSR) n23 p99-106 1962.
Document is not reproducible and is available from the Clearinghouse on loan only.

C. Aircraft

TT-65-27290 Field 1C, 13C

Fortinov, L. G.
DETERMINATION DES DIMENSIONS GEOMETRIQUES D'ELEMENTS D'ASSEMBLAGE ASSURANT L'ETANCHEITE ET DES JOINTS TORIQUES EN CAOUTCHOUC POUR ENSEMBLES HYDRAULIQUES ET PNEUMATIQUES (NOTES TECHNIQUES). Org. 36-6573; CNRS-G/R-4419.
Order from CNRS as G/R-4419

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) v6 n3 p100-12 1963.
Another trans. is available in English from CFSTI or ETC $3.00 in TT-64-21268 (p.140-160) JPRS-22703, 13 Jan 64.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27291 Field 1C, 1D

Kozhevnikov, Yu. V.
CHOIX DE LA COMMANDE OPTIMALE DES AERODYNES. Org. 36-6581; CNRS-G/R-4420.
Order from CNRS as G/R-4420

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) v6 n4 p15-24 1963.
Another trans. is available in English from CFSTI, ETC or SLA $1.60 as TT-64-16006, 11p.

TT-65-27293 Field 1C

Ivanov, V. S.
FORME DE LA LIGNE MEDIANE D'UN JET EN EVENTAIL A SYMETRIE AXIALE DANS UN ECOULEMENT DEVIATEUR. Org. 36-6584; CNRS-G/R-4422.
Order from CNRS as G/R-4422

Trans. in French from Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) n4 1963.

E. Air facilities

TT-65-12369 Field 1E, 13B

Chaste, M.
THE EFFECTS OF JET AIRCRAFT ON THE PAVEMENTS OF RUNWAYS, TAXIWAYS AND PARKING AREAS OF AIRFIELDS. 42p, (18 figs omitted).
Order from SLA: $4.60 as TT-65-12369

Trans. of Annales des Ponts et Chaussees (France) v122(s8) n4 p463-94 1952.

TT-65-62699 Field 1E, 13L

Loshak, A. Ya.; Marechkin, E. F.
EVALUATION OF WORKING CONDITIONS OF CIVILIAN AIRPORT RADAR INSTALLATIONS. 14 Jul 65, 17p, 11refs. FTD-TT-65-345; AD-618 635.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 635

Unedited rough draft trans. of Gigiena i Sanitariya (USSR) v29 n7 p39-44 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Another trans. is available from CFSTI or ETC HC$1.00, MF$0.50 as TT-64-51809, JPRS-27561, 10p.

02 AGRICULTURE

A. Agricultural chemistry

TT-65-27300 Field 2A

Stoev, K. D.; Mamarov, P. T.; Benchev, I. B.
ANALYSE CHROMATOGRAPHIQUE DES SUCRES ET

ACIDES AMINES LIBRES DE LA SEVE DE VIGNE.
Org. 40; CNRS-G/R-4429.
Order from CNRS as G/R-4429

Trans. in French of Fiziologiya Rastenii (USSR) v6 n4 p408-14 1959.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

B. Agricultural economics

TT-65-12387 Field 2B

Farcy, R. P. de.
IS THE FARMER PREPARED TO SELL HIS PRODUCTS (L' Agriculteur est-il Prepare a Vendre ses Produits). 14p.
Order from SLA: $1.60 as TT-65-12387

Trans. of Societe Francaise d'Economie Rurale. Bulletin, p3-7 1954.

D. Agronomy and horticulture

TT-65-27297 Field 2D

Satarova, N. A.
INFLUENCE DES STIMULATEURS CHIMIQUES SUR LES MODIFICATIONS DES PROPRIETES COLLOIDO-CHIMIQUE DU PROTOPLASME ET ACTIVITE DE LA PEROXYDASE DANS LES TUBERCULES DE POMME DE TERRE. Org. 40; CNRS-G/R-4426.
Order from CNRS as G/R-4426

Trans. in French of Akademiya Nauk SSSR. Doklady, v93 n6 p1119-22 1953.

TT-65-27299 Field 2D

Sinelnikova, V. N.
INFLUENCE DE LA GIBBERELLINE SUR LA CROISSANCE, LA FLORAISON ET LA FORMATION DES TUBERCULES DE LA POMME DE TERRE. Org. 40; CNRS-G/R-4428.
Order from CNRS as G/R-4428

Trans. in French of Trudy po Prikladnoi Botanike, Genetike i Selektsii (USSR) n2 p66-72 1963.

TT-65-27303 Field 2D, 6C

Korovin, V. A.
RESISTANCE AU GEL DES NOUVEAUX PORTE-GREFFES CLONAUX DE POMMIERS. Org. 40; CNRS-G/R-4432.
Order from CNRS as G/R-4432

Trans. in French of Nauchnye Doklady Vysshei Shkoly. Biologicheskie Nauki (USSR) n4 p206-10 1960.

E. Animal husbandry

TT-65-12374 Field 2E

Heuser, O. E.
THE INCREASING MILK PRODUCTION (Die Steigende Milchproduktion). 18p.
Order from SLA: $1.60 as TT-65-12374

Trans. of Agrarwirtschaft (West Germany) v3 p289-94 1954.

TT-65-12391 Field 2E

Schmid, G.; Klingler, K.
ON SWINE DYSENTERY (Uber die Schweine-Dysenterie). 9p, 3refs.
Order from SLA: $1.10 as TT-65-12391

Trans. of Schweizer Archiv fuer Tierheilkunde, v91 n4 p232-7 1949.

TT-65-12615 Field 2E, 6C, 6M

Nitzschke, E.
THE PROBLEM OF THE OCCURRENCE OF CARRIERS AND DELAYED SPREADERS OF NEWCASTLE DISEASE VIRUS (Zur Frage des Vorkommens von Virustraegern und -Spaeausscheidern bei der Atypischen Gefluegelpest). 19p, 51refs.
Order from SLA: $1.60 as TT-65-12615

Trans. of Berliner und Muenchener Tieraerztliche Wochenschrift (West Germany) v67 p335-8 1954.

TT-65-12673 Field 2E, 6O

Fevrier, R.; Vachel, J. P.; Michel, M.
ANTIBIOTICS AND THE GROWTH OF SWINE. PARTS I - IV (Les Antibiotiques et la Croissance du Porc. 1 - 4). 23p, 9refs.
Order from SLA: $2.60 as TT-65-12673

Trans. of Annales de Zootechnie (France) v4 p133-45 1955.

TT-65-12681 Field 2E, 6C

Dumont, B. L.; Fevrier, R.
RADIOGRAPHIC METHOD OF MEASURING THICKNESS OF SUBCUTANEOUS ADIPOSE TISSUE IN SWINE (Methode de Mesure Radiographique de l'Epaisseur des Tissus Adipeux Sus-Cutanes, chez le Porc). 17p, 12refs.
Order from SLA: $1.60 as TT-65-12681

Trans. of Annales de Zcotechnie (France) v6 n1 p29-40 1957.

TT-65-27210 Field 2E

Sibalic, S.; Mladenovic, Z.; Slavica, M.
ACTION DU TIABENDAZOLE-A SUR DICROCOELIUM DENDRITICUM PARASITE DES OVINS. 8p.
CNRS-III-340.
Order from ETC: $1.10 as TT-65-27210

Trans. in French of Veterinarski Glasnik (Yugoslavia) v12 p1042-5 1958.
Also available from CNRS.

TT-65-62795 Field 2E, 6M, 6O

Anpilov, N. I.
TREATMENT OF PASTEURELLOSIS-AFFECTED CALVES WITH ANTIBIOTICS. Tr. by Charles T. Ostertag, Jr. Jun 65, 4p. ABL-Trans-1418; AD-618 861.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 861

Trans. of Veterinariya (USSR) v40 n12 p54-5 1963.

03 ASTRONOMY AND ASTROPHYSICS

A. Astronomy

TT-65-62720 Field 3A, 14E, 8B

Gonin, G. B.
SURVEY OF CELESTIAL BODIES, PHOTOGRAMMETRY AND INTERPRETATION OF PHOTOGRAPHS DURING COSMIC INVESTIGATIONS. Aug 65, 28p, 51refs.
AERDL-T-1793-65; AD-618 666.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-618 666

Trans. of mono. Semka Nebesnykh Tel, Fotogrammetriya i Deshifrirovanie Snimkov pri Kosmicheskikh Issledovaniyakh. Spetsialnye Voprosy Fotogrammetrii, Moscow, 1964 p5-20. Translated under Contract DA44 009AMC930T.

B. Astrophysics

TT-65-12071 Field 3B

Piccardi, G.
ON SOME ANOMALIES OBSERVED DURING MAXIMUM SOLAR ACTIVITY. 4p, 3refs.
Order from SLA: $1.10 as TT-65-12071

Trans. of Geofisica e Meteorologia (Italy) v13 n3/4 p65-6 1964.

04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-65-12003 Field 4A

Muller, W.
INFLUENCE OF METEOROLOGICAL CONDITIONS ON THE CONCENTRATION OF FREEZING NUCLEI AND SMALL CONDENSATION NUCLEI. 8p, 7refs.
Order from SLA: $1.10 as TT-65-12003

Trans. of Journal de Recherche Atmospherique (sic) (France) v1 n2 p101-8 1964.

TT-65-12004 Field 4A

Soulage, G.
A SIMPLE ANALYZER OF FREEZING POWER FOR A NETWORK OF MEASURING STATIONS. 8p, 6refs.
Order from SLA: $1.10 as TT-65-12004

Trans. of Journal de Recherches Atmospheriques (France) v1 n2 p95-100 1964.

TT-65-12207 Field 4A

Dikii, L. A.
FREE OSCILLATIONS FREQUENCIES OF THE TERRESTRIAL ATMOSPHERE (Chastoty Svobodnykh Kolebanii Zemnoi Atmosfery). 6p, 5refs.
Order from SLA: $1.10 as TT-65-12207

Trans. of Akademiya Nauk SSSR. Doklady, v157 n3 p580-2 1964.

TT-65-12314 Field 4A

Obukhov, A. M.
INFLUENCE OF WEAK ATMOSPHERIC INHOMOGENEITIES UPON THE PROPAGATION OF SOUND AND LIGHT. 26p, 11refs.
Order from SLA: $2.60 as TT-65-12314

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Geofizicheskaya, n2 p155-65 1953.
Other trans. are available from CFSTI HC$1.00, MF$0.50 as TT-64-71252, 22p; from SLA as R-3407, and in Dutch from ETC $1.80 as TT-61-17395, MTWL-821, 18p.

TT-65-12399 Field 4A

Krasnogorskaya, N. V.
CALCULATION OF THE COLLISION EFFICIENCY BETWEEN PARTICLES OF COMPARABLE SIZES (Raschet Effektivnosti Stolknoveniya Chastits Sravnimykh Razmerov). 9p, 15refs.
Order from SLA: $1.10 as TT-65-12399

Trans. of Akademiya Nauk SSSR. Doklady, v154 n2 p325-8 1964.

B. Meteorology

TT-65-12199 Field 4B

Galtsov, A. P.
ON THE CLIMATIC INTERACTION OF IRRIGATED AND NONIRRIGATED AREAS (O Klimaticheskoi Vzaimodeistvii Oroshaemykh i Neoroshaemykh Ploshchadei). 19p.
Order from SLA: $1.60 as TT-65-12199

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya n3 p11-20 1953.
Other trans. are available on loan from SLA as TT-62-16462 18p and as R-3929 22p.

TT-65-12401 Field 4B

Vulfson, N. I.; Ivanov, V. N.
THE STRUCTURE OF THE TEMPERATURE FIELD IN CUMULUS CLOUDS. 7p, 6refs.
Order from SLA: $1.10 as TT-65-12401

Trans. of Akademiya Nauk SSSR. Doklady, v159 n4 p786-8 1964.
Another trans. is available from CFSTI or ETC HC$1.00, MF$0.50 as TT-65-30262, JPRS-28597.

TT-65-62701 Field 4B

Golovanov, Ya.
WEATHER INDUSTRY. 16 Jul 65, 6p. FTD-TT-65-836; AD-618 637.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 637

Unedited rough draft trans. of Sovetskaya Moldaviya (USSR) 11 Jul p3 1964.

05 BEHAVIORAL AND SOCIAL SCIENCES

C. Economics

TT-65-12107 Field 5C

Ho-Thoi-Sang.
THE GOLD STANDARD IN FRANCE FROM 1820 to 1960: A STATISTICAL CONTRIBUTION TO THE STUDY OF THE 'RULES OF THE GAME' (L'Etalon or en France de 1820 a 1960: Contribution Statistique a l'Etude des 'Regles de Jeu'). 23p.
Order from SLA: $2.60 as TT-65-12107

Trans. of Revue d'Economie Politique (France) v72 n6 p877-90 1962.

TT-65-12394 Field 5C

Behrens, K. C.
THE AREAS OF APPLICATION OF ECONOMIC MARKET AND DISTRIBUTION RESEARCH (Amwendungsgebiete der Betriebswirtschaftlichen Markt-und Absatzforschung). 11p.
Order from SLA: $1.60 as TT-65-12394

Trans. of mono. Empirische Sozialforschung, Frankfurt am Main, 1952 p84-9.

D. History, law and political science

TT-65-12153 Field 5D

DISINTEGRATION IN THE BRAZZAVILLE-CONGO: A MINOR AFRICAN COUNTRY UNDER PEKING'S INFLUENCE. 10p.
Order from SLA: $1.10 as TT-65-12153

Trans. of Neue Zuercher Zeitung (Switzerland) Dec 16 p3 1964.

E. Human factors engineering

TT-65-12358 Field 5E

Faverge, J. M.
HUMAN ENGINEERING. 18p.
Order from SLA: $1.60 as TT-65-12358

Trans. of Revue de Psychologie Appliquee (France) v4 n1 p64-74 1954.

F. Humanities

TT-65-12126 Field 5F

Roschwald, M.
PRACTICAL HUMANISM (Hoomanism I' Maaseh). 17p.
Order from SLA: $1.60 as TT-65-12126

Trans. of mono. Ideas n.p. 1946 p7-19.

G. Linguistics

TT-65-12367 Field 5G

Stackelberg, K. von.
THE QUESTION AND ITS FORMULATION (Die Frage und ihre Formulierung). 12p.
Order from SLA: $1.60 as TT-65-12367

Trans. from mono. Empirische Socialforschung, Frankfurt-am-Main, 1952, p172-7.

TT-65-62655 Field 5G

Kondratov, A.
WHAT DO SEMIOTICS SPEAK ABOUT. 15 Jul 65, 18p.
FTD-TT-65-326; AD-618 312.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 312.

Unedited rough draft trans. of Znanie-Sila (USSR) v38 n3 p10-3 1963.

J. Psychology (Individual and group behavior)

TT-65-12016 Field 5J, 6S

Reiher, H.; Meister, F. J.
THE SENSITIVITY OF THE HUMAN ORGANISM TO IMPACTS. 7p, (figs omitted) 4refs.
Order from SLA: $1.10 as TT-65-12016

Trans. of Forschung auf dem Gebiete des Ingenieur-wesens (Germany) v3 n4 p177-80 1932.

TT-65-12363 Field 5J

Revesz, G.
BASIC PRINCIPLES OF HUMAN AND ANIMAL EXISTENCE (Grundprinzipien des Menschlichen und Tierisches Daseins). 23p, 7refs.
Order from SLA: $2.60 as TT-65-12363

Trans. of Psychologische Forschung (West Germany) v24 p215-29 1953.

TT-65-12371 Field 5J

Montmollin, G. de.
THE PHENOMENON OF NORMALIZATION WITHIN A SOCIAL GROUP (Le Phenomene de Normalisation a l'Interieur d'un Groupe Social). 20p, 19refs.
Order from SLA: $1.60 as TT-65-12371

Trans. of Annee Psychologique (France) v53 n2 p539-51 1953.

TT-65-12376 Field 5J

Pichot, P.
THE EVOLUTION OF THE USE OF AND RESEARCH ON MENTAL TESTS IN THE UNITED STATES. I. TEST OF PERSONALITY (L'Evolution de l'Emploi et des Recherches sur les Tests Mentaux aux Etats-Unis. I. Les Tests de Personnalite). 36p.
Order from SLA: $3.60 as TT-65-12376

Trans. of Revue de Psychologie Appliquee (France) v4 n3 p317-40 1954.

TT-65-12378 Field 5J

Brunetti, P. M.; Novara, F.
A GUIDE FOR THE EVALUATION OF THE MATURITY OF JUDGMENT (Un Guide pour l'Evaluation de la Maturite de Jugement). 10p.
Order from SLA: $1.10 as TT-65-12378

Trans. of Revue de Psychologie Appliquee (France) v3 n3 p301-8 1953.

TT-65-12530 Field 5J

Fuchs, R.
PSYCHOLOGY OF RECOGNITION AS A BASIS FOR INTELLIGENCE RESEARCH (Psychologie der Erkenntnistaetigkeit als Grundlage der Intelligenzforschung). 41p, 19refs.
Order from SLA: 44.60 as TT-65-12530

Trans. of Psychologische Forschung (West Germany) v23 p263-86 1950.

TT-65-12554 Field 5J

Mottier, G.
AN INVESTIGATION OF THE SPEECH OF READING-DISTURBED CHILDREN (Ueber Untersuchungen der Sprache Lesegestoerter Kinder). Paper presented at the Congress of the International Society of Logopaedics and Phoniatrics (no. 8) Amsterdam, 1950. 14p, (refs omitted)
Order from SLA: $1.60 as TT-65-12554

Trans. of Folia Phoniatrica (Switzerland) v3 n3 p170-7 1951.

TT-65-12567 Field 5J

Cardu, B.
PHYSICAL AND PSYCHOLOGICAL FACTORS OF THE GALVANIC SKIN RESPONSE (Facteurs Physiques et Facteurs Psychiques de la Reponse Galvanique de la Peau). 19p.
Order from SLA: $1.60 as TT-65-12567

Trans. of l'Annee Psychologique (France) v54 n2 p345-56 1954.

TT-65-12586 Field 5J

Montmollin, G. de.
EFFECT OF THE GROUP ON PERCEPTIVE STRUCTURALIZATION. II. COMPARISON OF FEMALE AND MALE SUBJECTS (QUANTITATIVE RESULTS) (Effets de Groupe sur la Structuration Perceptive. II. Comparaison des Sujets Feminins et des Sujets Masculins (Resultats Quantitatifs). 31p.
Order from SLA: $3.60 as TT-65-12586

Trans. of l'Annee Psychologique (France) v55 n2 p329-48 1955.

TT-65-12621 Field 5J

Faverge, J. M.
ANALYSIS OF VARIANCE IN PSYCHOLOGY (L'Analyse de la Variance en Psychologie). 26p, 34refs.
Order from SLA: $2.60 as TT-65-12621

Trans. of l'Annee Psychologique (France) v49 p341-58 1948.

TT-65-12667 Field 5J

Fraisse, P.
THE PERCEPTION OF DURATION AS SUCCESSIVE ORGANIZATION: BASED ON EXPERIMENTAL EVIDENCE (La Perception de la Duree Comme Organisation du Successif. Mise en Evidence Experimentale). 14p, 5refs.
Order from SLA: $1.60 as TT-65-12667

Trans. of l'Annee Psychologique (France) v52 n1 p39-46 1952.

TT-65-31460 Field 5J, 6T

Bartenev, B. D.; Kovarskii, M. E.
AUTOMATION OF THE UNIT FOR THE STUDY OF CONDITIONED REFLEX ACTIVITY IN SMALL LABORATORY ANIMALS. 7 Jul 65, 6p. JPRS-30962.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31460

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v8 n8 p57-8 Aug 1964.

06 BIOLOGICAL AND MEDICAL SCIENCES

A. Biochemistry

NCH-201 117 Field 6A, 6O, 6E

Balasse, E.; Thys, O.
ADIPOLINETIC ACTION OF AMPHETAMINE. 1965, 4p, 10refs. TC-815.
Order from TC: $5.00 as TC-815

Trans. of Pathologie et Biologie (France) v12 n19/20 p988-9 1964.

NCH-201 580 Field 6A, 6M

Bender, H.; Wallenfels, K.
PULLULAN. II. SPECIFIC DECOMPOSITION BY A BACTERIAL ENZYME. Jun 65, 21p. TC-818.
Order from TC: $18.50 as TC-818

Trans. of Biochemische Zeitschrift (West Germany) v334 p79-95 1961.

TT-65-11940 Field 6A

Heidrich, H. J.; Muelling, M.; Weser, M.; Windisch, I.
THE BEHAVIOR OF GLUCOSE VALUES IN THE BLOOD OF HEALTHY CATTLE AFTER ADMINISTRATION OF DEXAMETHASONE AND DEXAMETHASONE-TMA (Das Verhalten der Glukosewerte im Blut Gesunder Rinder nach Dexamethason und Dexamethason TMA-Applikationen). 6p, 7refs.
Order from SLA: $1.10 as TT-65-11940

Trans. of Tieraerztliche Umschau (West Germany) v18 n6 p288-90 1963.

TT-65-11943 Field 6A

Selivanov, Ya. M.; Menshikh, L. K.; Tikhonenko, T. I.; Gorbunova, A. S.; Sokolov, M. I.
PURIFICATION AND FRACTIONATION OF INFLUENZA VIRUS BY CHROMATOGRAPHY ON AMINOETHYL-CELLULOSE. 10p, 14refs.
Order from SLA: $1.10 as TT-65-11943

Trans. of Voprosy Virusologii (USSR) v9 n5 p550-5 1964.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-65-12110 Field 6A

Gstirner, F.; Syring, H.
CONTRIBUTION TO THE DETERMINATION OF THE GLYCOSIDES IN DIGITALIS LEAVES (Beitrag zur Bestimmung der Glykoside in Folia Digitalis). 21p, 22refs.
Order from SLA: $2.60 as TT-65-12110

Trans. of Archiv der Pharmazie (West Germany) v294 n12 p783-94 1961.

TT-65-12125 Field 6A

Holzer, H.; Boll, M.; Cennamo, C.
THE BIOCHEMISTRY OF THREONINE DEAMINASE IN YEAST (Zur Biochemie der Threonin-Desaminase aus Hefe). 17p, 17refs.
Order from SLA: $1.60 as TT-65-12125

Trans. of Angewandte Chemie (West Germany) v75 n19 p894-900 1963.

TT-65-12145 Field 6A

Herrmann, K.
ABOUT THE TANNIN OF MELISSA LEAVES (Ueber den Gerbstoff der Melisseblaetter). 8p, (refs omitted).
Order from SLA: $1.10 as TT-65-12145

Trans. of Archiv der Pharmazie (West Germany) v287 p142-7 1954.
Another trans. is available from SLA $1.10 as TT-63-20283, 10p.

TT-65-12277 Field 6A

Senez, J. C.; Azoulay, E.
DEHYDROGENATION OF PARAFFIN HYDROCARBONS BY RESTING-CELLS AND CELL-FREE EXTRACTS OF PSEUDOMONAS AERUGINOSA. 14p, 18refs.
Order from SLA: $1.60 as TT-65-12277

Trans. of Biochimica et Biophysica Acta (Netherlands) v47 n2 p307-16 1961.

TT-65-12351 Field 6A

Bode, O.
ON THE RELATIONSHIP BETWEEN CO2-ASSIMILATION AND PHOTOPERIODISM IN KALANCHOE BLOSSFELDIANA (Ueber Zusammenhaenge Zwischen CO2-Assimilation und Photoperiodismus bei Kalanchoe Blossfeldiana). 20p, 39refs.
Order from SLA: $1.60 as TT-65-12351

Trans. of Planta (Germany) v33 p278-89 1942.

TT-65-12352 Field 6A

Deborin, G. A.; Gorbacheva, L. B.
THE COMPLEXES OF ALBUMINS WITH LIPIDS AND THEIR PROPERTIES (Kompleksi Belkov s Lipoidami i ikh Svoistva). 19p, 28refs.
Order from SLA: $1.60 as TT-65-12352

Trans. of Biokhimiya (USSR) v18 n5 p618-25 1953.

TT-65-12364 Field 6A

Rupcheva, I. A.
THE SIGNIFICANCE OF THE LENGTH AND OF THE RATIOS OF THE LIGHT AND DARK PERIODS IN PHOTOPERIODICALLY REACTING PLANTS (Znachenie Dliny i Sootnosheniya Svetovykh i Temnovykh Periodov v Fotoperiodicheskoi Reaktsii Rastenii). 7p, (figs omitted) 6refs.
Order from SLA: $1.10 as TT-65-12364

Trans. of Akademiya Nauk SSSR, Doklady, v61 n4 p741-4 1948.

TT-65-12461 Field 6A

Vodrazka, Z.
PHOTOOXIDATION OF PROTEINS. 31p, (figs omitted) 74refs.
Order from SLA: $3.60 as TT-65-12461

Trans. of Chemicke Listy (Czechoslovakia) v53 n8 p829-43 1959.

TT-65-12541 Field 6A

Zirm, K. L.; Pongratz, A.; Polesofsky, W.
ON THE FORMATION OF ASSOCIATION COMPLEXES OF CHLOROPHYLLIN WITH PROTEINS (Ueber die Bildung von Assoziationskomplexen des Chlorophyllins mit Eiweisskoerpern). 12p, 15refs.
Order from SLA: $1.60 as TT-65-12541

Trans. of Biochemische Zeitschrift (West Germany) v324 n7 p536-43 1953.

TT-65-12552 Field 6A

Schneider, F.; Reinefeld, E.; Mueller, H.
ON THE RAPID QUANTITATIVE ESTIMATION OF AMINO ACIDS, ESPECIALLY OF GLUTAMIC ACID (Zur Schnellen Quantitativen Bestimmung von Aminosaeuren, Insbesondere von Glutaminsaeure). 11p, 14refs.
Order from SLA: $1.60 as TT-65-12552

Trans. of Biochemische Zeitschrift (West Germany) v327 n3 p189-94 1955.

TT-65-12569 Field 6A

Weitzel, G.; Buddecke, E.; Strecker, F. J.; Roester, U.
ZINC COMBINING CAPACITY AND BLOOD SUGAR EFFECT OF XANTHURENIC ACID, KYNURENIN AND TRYPTOPHAN (Zinkbindungsvermoegen und Blutzuckerwirkung von Xanthurensaeure, Kynurenin und Tryptophan). 33p, 34refs.
Order from SLA: $3.60 as TT-65-12569

Trans. of Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (West Germany) v298 n3-5 p169-84 1954.

TT-65-12600 Field 6A, 6P

Frunder, H.; Dittrich, H.; Lachhein, L.; Miteff, I.
FURTHER OBSERVATIONS ON METABOLISM OF FATTY LIVER (Weitere Beobachtungen zum Stoffwechsel der Verfetteten Leber). 28p, 20refs.
Order from SLA: $2.60 as TT-65-12600

Trans. of Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (West Germany) v301 n4/6 p210-23 1955.

TT-65-12610 Field 6A, 2E

Seekles, L.; Sjollema, B.; Kaay, F. C. van der.
THE MODE OF ACTION OF CALCIUM. V. THE ANTONOMIC EQUILIBRIUM IN CATTLE IN RELATION TO THE COMPOSITION OF THE BLOOD SERUM IN EXPERIMENTAL AND PATHOLOGICAL HYPOCALCEMIA. A CONTRIBUTION TO THE KNOWLEDGE OF THE TOXIC EFFECT OF OXALIC ACID AND CITRIC ACID SALTS AFTER INTRAVENOUS INJECTION (Die Wirkungsweise des Calciums. V. Mitteilung: Das Autonome Gleichgewicht im Rinderorganismus in Beziehung zu der Zusammensetzung des Blutserums bei Experimenteller und Pathologischer Hypokalzaemie. Ein Beitrag zur Kenntnis der Giftwirkung von Oxalsaeure und Citronensaeuresalzen nach Intravenoeser Einspritzung). 18p, 7refs.
Order from SLA: $1.60 as TT-65-12610
Trans. of Biochemische Zeitschrift (Germany) v244 p258-67 1932.

TT-65-12611 Field 6A, 2E

Seekles, L.; Sjollema, B.; Kaay, F. C. van der.
THE MODE OF ACTION OF CALCIUM. III. THE ANTAGONISTIC ACTION OF CALCIUM AND MAGNESIUM ON

THE HEART OF CATTLE WITH DISTURBED MINERAL REGULATING MECHANISMS (Die Wirkungsweise des Calciums. III. Mitteilung: Die Antagonistische Herzwirkung von Calcium und Magnesium bei Rindern mit Gestoertem Mineralen Regulierungsmechanismus). 6p, 2refs.
Order from SLA: $1.10 as TT-65-12611

Trans. of Biochemische Zeitschrift (Germany) v244 p4-8 1932.

TT-65-12666 Field 6A, 6M

Monier, R.; Litwack, G.; Somlo, M.; Labousse, B.
THE PROTEOLYTIC ENZYMES OF CLOSTRIDIUM HISTOLYTICUM INFLUENCE OF COMPLEXON III AND OF CALCIUM ON THE STABILITY OF TWO OF THESE ENZYMES (Les Enzymes Proteolytiques de Clostridium Histolyticum Influence de la Complexone III et du Calcium sur la Stabilte de Deux de ces Enzymes). 28p, 15refs.
Order from SLA: $2.60 as TT-65-12666

Trans. of Biochimica et Biophysica Acta (Netherlands) v18 n1 p71-82 1955.

TT-65-27380 Field 6A, 6O

Panshina, T. N.
MODIFICATIONS DE L'ACTIVITE REFLEXE CONDITIONNEE ET DE L'ACTIVITE CHOLINESTERASIQUE DU SANG CHEZ LES ANIMAUX SOUS L'ACTION DU PHOSPHAMIDE, INSECTICIDE ORGANO-PHOSPHORE. Org. 140-1108-164; CNRS-G/R-4509.
Order from CNRS as G/R-4509

Trans. in French of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v56 n12 p56-60 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62811 Field 6A, 6E

Andrianov, P. N.
STUDYING ALBUMIN FRACTIONS OF THE BLOOD BY THE ELECTROPHORESIS METHOD OF CHRONIC MOUTH DISEASES. 22 Jul 65, 10p. FTD-TT-65-530; AD-618 899.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 899

Unedited rough draft trans. of Stomatologiya (USSR) v42 n3 p29-33 1963.

TT-65-62832 Field 6A, 6P, 6E

Baksheev, N. S.; Mikhailenko, E. T.
EFFECT OF ESTROGENS AND CALCIUM IONS ON THE STATE OF THE ACTOMYOSIN SYSTEM AND CARBOHYDRATE-PHOSPHORUS METABOLISM IN THE UTERUS. 1965, 14p, 7refs. FASEB-S-820-4.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as TT-65-62832

Trans. of Akusherstvo i Ginekologiya (USSR) v40 n5 p28-35 1964.

C. Biology

TT-65-12106 Field 6C

Libbert, E.
INVESTIGATIONS CONCERNING THE PHYSIOLOGY OF ADVENTITIOUS ROOT PRODUCTION. IV. PHYSIOLOGICAL INVESTIGATIONS CONCERNING CASTAN'S POLARITY REVERSAL (Untersuchungen ueber die Physiologie der Adventivurzelbildung. IV. Physiologische Untersuchungen ueber CASTANs d'Polaritaetsumkehr). 15p, 22refs.
Order from SLA: $1.60 as TT-65-12106

Trans. of Deutsche Botanische Gesellschaft Berichte (West Germany) v69 n9 p429-34 1956.

TT-65-12123 Field 6C

Hanstroem, B.
CONCERNING THE DETAILED STRUCTURE OF THE NERVOUS SYSTEM OF THE TRICLAD TURBELLARIANS ON THE BASIS OF THE INVESTIGATION OF BDELLOURA CANDIDA (Ueber den Feineren Bau des Nervensystems der Tricladen Turbellarien auf Grond von Untersuchungen an Ddelloura Candida). 30p, 36refs.
Order from SLA: $2.60 as TT-65-12123

Trans. of Acta Zoologica (Sweden) v7 p101-15 1926.

TT-65-12124 Field 6C

Weber, H.
THE PARAMOS OF COSTA RICA AND THEIR PLANT GEOGRAPHICAL RELATIONSHIPS WITH THE SOUTH AMERICAN HIGH ANDES (Die Paramos von Costa Rica and ihre Pflanzengeographische Verkettung mit den Hochanden Sudamerikas). 12p, (figs omitted) 13refs.
Order from SLA: $1.60 as TT-65-12124

Partial trans. (p. 125-134) of Akademie der Wissenschaften und der Literatur, Mainz. Mathematisch-Naturwissenschaftliche Klasse. Abhandlungen (West Germany) n3 p117-94 1958.

TT-65-12127 Field 6C

Passecker, F.
THE RESTORATION OF ADULT WOOD TO THE JUVENILE DEVELOPMENTAL PHASE BY MEANS OF VEGETATIVE PROPAGATION (Die Rueckfuehrung Adulter Geholze in die Juvenile Entwicklungsphase durch Vegetative Vermehrung). 12p, 7refs.
Order from SLA: $1.60 as TT-65-12127

Trans. of Deutsche Botanische Gesellschaft. Berichte (West Germany) v74 n9 p436-40 1961.

TT-65-12128 Field 6C

Casperson, G.
INVESTIGATIONS CONCERNING THE THERMAL BEHAVIOR OF PLANTS UNDER THE INFLUENCE OF WIND AND WIND PROTECTION (Untersuchungen ueber das Thermische Verhalten der Pflanzen unter dem Einfluss von Wind und Windschutz). 12p.
Order from SLA: $1.60 as TT-65-12128

Partial trans. (p.433-438) of Zeitschrift fuer Botanik (West Germany) v45 n6 p433-73 1957.

TT-65-12216 Field 6C

Kirschfeld, K.; Reichardt, W.
THE PROCESSING OF STATIC OPTICAL INFORMATION IN THE COMPOUND EYE OF LIMULUS. 60p, 20refs.
Order from SLA: $5.60 as TT-65-12216

Trans. of Kybernetik (Germany) v2 n2 p43-61 1964.

TT-65-12348 Field 6C

Gaumann, E.; Jaag, O.
THE PHYSIOLOGICAL BASIS OF THE PARASITIC WILTS III (Die Physiologischen Grundlagen des Parasitogenen Welkens III). 19p.
Order from SLA: $1.60 as TT-65-12348

Trans. of Schweizerische Botanische Gesellschaft. Berichte, v57 p227-41 1947.
Another trans. is available from SLA $1.60 as TT-65-12348, 19p.

TT-65-12365 Field 6C

Rupcheva, I. A.
THE DEVELOPMENT OF PLANTS UNDER CONDITIONS OF ALTERNATING PHOTOPERIODIC CYCLES (Razvitie Rastenii v Usloviyakh Peremezhushchikhsya Fotoperiodicheskikh Tsiklov). 8p, (figs omitted) 9refs.
Order from SLA: $1.10 as TT-65-12365

Trans. of Akademiya Nauk SSSR. Doklady, v62 n2 p271-4 1948.

TT-65-12560 Field 6C

Harroy, J. P.
NEW SIGNIFICANCE ABOUT THE PROTECTION OF NATURE (La Nouvelle Signification de la Protection de la Nature). 15p.
Order from SLA: $1.60 as TT-65-12560

Trans. of International Botanical Congress (no. 7). Proceedings, Stokholm, 1950 p685-91.

TT-65-12561 Field 6C

Peyronel, B.
STUDY OF MYCORRHIZES BY DIRECT OBSERVATION (L'Etude des Mycorhizes par l'Observation Directe). 6p.
Order from SLA: $1.10 as TT-65-12561

Trans. of International Botanical Congress (no. 7) Proceedings, Stockholm, 1950 p436-8.

TT-65-12562 Field 6C

Nadel-Schiffman, M.
INFLUENCE OF TEMPERATURE AND HUMIDITY ON THE APPEARANCE OF DIFFERENT SPECIES OF PHYTOPHTHORA (L'Influence de la Temperature et de la Pluviosite sur l'Apparition des Differentes Especes de Phytophthora). 3p.
Order from SLA: $1.10 as TT-65-12562

Trans. of International Botanical Congress (no. 7). Proceedings, Stockholm, 1950 p414-5.

TT-65-27211 Field 6C

Prokhanov, Ya. I.
THEORIE MATHEMATIQUE DE L'EVOLUTION DES ANGIOSPERMES (D'APRES ROBERTY). 7p. CNRS-IV 66.
Order from ETC: $1.10 as TT-65-27211

Trans. in French from Moscow Conference on the Phylogenesis of Plants (no. 2) Proceedings, Moscow, 1964.

TT-65-27212 Field 6C

Prokhanov, Ya. I.
CLASSE DES MONOCOTYLEDONES, BASE TAXONOMIQUE ET POSITION DANS LE SYSTEME DES PLANTES VASCULAIRES. 9p. CNRS-IV 67.
Order from ETC or CNRS: $1.10 as TT-65-27212

Trans. in French from Moscow Conference on the Phylogenesis of Plants (no. 2) Proceedings, Moscow, 1964.

TT-65-27229 Field 6C

Tanaka, M.; Goto, E.; Kondo, T.
ETUDE DE LA RESINE DES BOIS A FEUILLES LARGES. I. 14p, 7refs. CNRS-VI 1209.
Order from ETC: $1.60 as TT-65-27229

Trans. in French of unidentified Japanese language article, n.d.

TT-65-27295 Field 6C

Spozhnikov, D. I.; Eidelman, Z. M.; Tolibekov, D.; Khodzhaev, A.
TRANSFORMATION DES XANTHOPHYLLES DANS LES SYSTEMES PARTIELLEMENT RECONSTRUITS. Org. 40; CNRS-G/R-4424.
Order from CNRS as G/R-4424

Trans. in French of Botanicheskii Zhurnal (USSR) v47 n11 p1656-8 1962.

TT-65-27296 Field 6C

Shcherbakov, B. I.
MODIFICATIONS PHYSIOLOGIQUES DU BLE DE PRINTEMPS DANS LES CONDITIONS DE SECHERESSE. Org. 40; CNRS-G/R-4425.
Order from CNRS as G/R-4425

Trans. in French of Akademiya Nauk SSSR. Doklady, v152 n1 p231-4 1963.

TT-65-27298 Field 6C

Shlyk, A. A.; Vetokhina, G. A.
CINETIQUE DES ACTIVITES SPECIFIQUES DES CHLOROPHYLLES (A) ET (B) DANS L'OBSCURCISSEMENT DES PLANTES AYANT ASSIMILE C14O2.. Org. 40; CNRS-G/R-4427.
Order from CNRS as G/R-4427

Trans. in French of Akademiya Nauk SSSR. Doklady, v150 n4 p924-7 1963.
Another trans. is available in English from CFSTI, ETC or SLA $1.10 as TT-64-14796 1964, 5p.

TT-65-27301 Field 6C

Vartapetyan, V. V.; Badanova, K. A.
VITESSE DU METABOLISME DE L'EAU DANS LES ORGANES VEGETAUX AU REPOS. Org. 40; CNRS-G/R-4430.
Order from CNRS as G/R-4430

Trans. in French of Fiziologiya Rastenii (USSR) v10 n1 p106-8 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27304 Field 6C

Rubin, B. A.; Ozeretskovskaya, O. L.
PARTICIPATION DE L'OXYDATION APOTOMIQUE DANS LA RESPIRATION DES PLANTES SUPERIEURES. Org. 40; CNRS-G/R-4433.
Order from CNRS as G/R-4433

Trans. in French of Uspekhi Sovremennoi Biologii (USSR) v47 n1 p64-79 1959.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27306 Field 6C

Bershtein, B. I.; Leonteva, Yu. A.; Okanenko, A. S.
INFLUENCE DE DIVERS TYPES DE DEGENERESCENCE DE LA POMME DE TERRE SUR LA TENEUR DES TUBERCULES EN ACIDES AMINES. Org. 40; CNRS-G/R-4435.
Order from CNRS as G/R-4435

Trans. in French of Akademiya Nauk SSSR. Doklady, v134 n4 p976-9 1960.

TT-65-27457 Field 6C

Gubanski, M.
LA RESPIRATION ET L'INFLUENCE DES INHIBITEURS SUR CE PROCESSUS, DANS LES FEUILLES DE HARICOT SAIN ET ATTEINT DE MOSAIQUE. Org. 40; CNRS-G/X-1641.
Order from CNRS as G/X-1641

Trans. in French of Acta Agrobotanica (Poland) v12 p281-5 1962.

TT-65-30788 Field 6C

Stoletov, V. N.
SOME METHODOLOGICAL PROBLEMS OF GENETICS. 21 Apr 65, 17p. JPRS-29690.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30788

Trans. of Nauchnye Doklady Vysshei Shkoly. Filosofskie Nauki (USSR) v7 n6 p16-25 1964.
Available copy will not permit fully legible reproduction.

TT-65-31712 Field 6C

Dubinin, N.; Konstantinov, V.; Novinskii, G.
STUDIES ON GENES AND ACUPUNCTURE APPEARING IN SOVIET YOUTH JOURNAL. 22 Jul 65, 28p. JPRS-31215.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31712

Trans. of Tekhnika Molodezhi (USSR) v33 n5 p5-9, 36 1965.

TT-65-62796 Field 6C

Gusev, V. M.; Guseva, A. A.; Reznik, P. A.
THE IMPORTANCE OF BIRDS IN THE SETTLEMENT OF FLEAS (SUCTORIA) AND TICKS (IXODOIDEA) IN DAGESTAN. Tr. by Charles T. Ostertag, Jr. Jun 65, 4p. ABL-Trans-1414; AD-618 862.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 862

Trans. of Meditsinskaya Parazitologiya i Parazitarnye Bolezni (USSR) v32 n6 p738-9 1963.

D. Bionics

TT-65-62707 Field 6D, 9B

Yakubovich, V. A.
MACHINES THAT CAN LEARN TO RECOGNIZE PATTERNS. 21 May 65, 48p, 12refs. FTD-TT-65-148; AD-618 643.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-618 643

Unedited rough draft trans. of Metody Vychislenii (USSR) n2 p95-131 1963.

E. Clinical medicine

TT-65-11939 Field 6E

Pilipenko, A. N.
MODIFICATION OF THE HEMOLYTIC PROPERTIES OF SCARLET FEVER-PRODUCING STREPTOCOCCI UNDER THE INFLUENCE OF PENICILLIN AND STREPTOMYCIN. 3p, 4refs.
Order from SLA: $1.10 as TT-65-11939

Trans. of Antibiotiki (USSR) v9 n8 p748-50 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-11985 Field 6E

Coover, H. W. Jr.; Fassett, D. W.
PROCESS OF SURGICAL ADHESION AND AN ADHESIVE COMPOSITION FOR CARRYING OUT THIS PROCESS. 10p.
Available on loan from SLA: as TT-65-1 985

Trans. of Patent (Belgium) 636 286.
Patented by Eastman Kodak Co., USA, filed 16 Aug 63 (Priority: U. S., No. 225,896, 24 Sep 62).

TT-65-12010 Field 6E

Barthel, H.; Barthel, A.
EXPERIMENTAL STUDIES IN ANIMALS ON THE LATE FATE OF TRANSPLANTED HOMOLOGOUS LUNG LOBES. 8p, (figs refs omitted).
Order from SLA: $1.10 as TT-65-12010

Trans. of Brun's Beitraege zur Klinischen Chirurgie (West Germany) v194 n4 p395-407 1957.

TT-65-12023 Field 6E

Creutzfeldt, W.; Soeling, H. D.; Ketterer, H.
INTRAPANCREATIC ACTIVATION OF PROTEOLYTIC FERMENTS AND THE ACTION OF TRASYLOL IN EXPERIMENTAL PANCREATITIS IN RATS (Intrapankreatische Aktivierung von Proteolytischen Fermenten und Trasylolwirkung bei der Experimentellen Pankreatitis der Ratte). 20p, 14refs.
Order from SLA: $1.60 as TT-65-12023

Trans. of Klinische Wochenschrift (West Germany) v41 n20 p1002-6 1963.

TT-65-12035 Field 6E

Drohocki, Z.
QUANTITATIVE ELECTROENCEPHALOGRAPHY; OBJECTIVE DETECTION OF EEG CHANGES PRODUCED BY

HYPERPNEA (Electroencephalographie Quantitative: Detection Objective des Modifications de l'E.E.G. Provoquees par l'Hyperpnee). 13p, 10refs.
Order from SLA: $1.60 as TT-65-12035

Trans. of Revue Neurologique (France) v107 n3 p204-10 1962.

TT-65-12129 Field 6E, 6C

Mussafia, M.
THE ROLE OF HEREDITY IN LANGUAGE DISTURBANCES (Le Role de l'Heredite dans les Troubles du Langage). 17p, 7refs.
Order from SLA: $1.60 as TT-65-12129

Trans. of Folia Phoniatrica (Switzerland) v16 n3 p228-38 1964.

TT-65-12165 Field 6E

Poulain, S.; Pommatau, E.; Colon, J.; Dutou, L.
VALUE OF THE METOPIRONE TEST AFTER PITUITARY IMPLANTATION OF YTTRIUM IN HORMONE-DEPENDENT CANCERS. IMPORTANCE AND INCONVENIENCES OF THE REPLACEMENT OF CORTISONE THERAPY BY ALDOSTERONE (Valeur du Test a la Metopirone apres Implantation Hypophysaire d'Yttrium dans les Cancers Hormono-Dependants. Interet et Inconvenients du Remplacement du Traitement Cortisonique par l'Aldosterone). Abstract of paper presented at the Societe d' Endoctrinologie, France, 30 Apr 64. 1p.
Order from SLA: $1.10 as TT-65-12165

Trans. of la Presse Medicale (France) v72 n42 p2481 1964.

TT-65-12324 Field 6E

Schmid, J. R.; Oechslin, R. J.; Schnider, Th.
FERROKINETIC STUDIES IN PRIMARY HEMOCHROMATOSIS AND SIDEROACHRESTIC ANEMIA (Ferrokinetische Untersuchungen bei Primaerer Haemochromatose und Sideroachrestischer Anaemie). 16p, 44refs.
Order from SLA: $1.60 as TT-65-12324

Trans. of Schwiezerische Medizinische Wochenschrift, v94 n34 p1158-64 1964.

TT-65-27379 Field 6E

Ravich-Shcherbo, M. I.; Prokopenko, L. G.
RAISONS DE L'EFFET PROTECTEUR D'UNE IMMUNISATION PRELIMINAIRE DUE LA MALADIE AIGUE DES RAYONS. Org. 140-1107-164; CNRS-G/R-4508.
Order from CNRS as G/R-4508
Trans. in French of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v56 n12 p36-8 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-31295 Field 6E, 6O

NORTH VIETNAM MEDICAL JOURNAL, NO. 1, 1965: ABSTRACTS OF ARTICLES. 21 Jun 65, 19p. JPRS-30708.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31295

Abstract trans. of Y Hoc Viet Nam n1 p1-102 1965.

TT-65-31477 Field 6E, 6Q, 6R, 6T, 15B, 15F

Bogdanov, N. A. ed.
PATHOLOGY, CLINICAL PICTURE AND THERAPY IN AFFECTIONS WITH TOXIC AND RADIOLOGICAL AGENTS. 8 Jul 65, 151p. JPRS-30979.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-65-31477

Trans. of mono. Patologiya, Klinika i Terapiya pri Porazheniyakh OV i RV, Leningrad 1964 p1-192.

TT-65-31692 Field 6E, 6M, 6P, 2E, 6O

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 19. 21 Jul 65, 91p. JPRS-31195.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31692

Contains abstracts of articles from East European scientific and technical journals.

F. Environmental biology

TT-65-12072 Field 6F

Valfre, F.; Maletto, S.; Herbst, R.
THE SENSITIVITY OF ANIMAL ORGANISMS TO THE COSMIC VARIABLES. TESTS EFFECTED WITH NORMAL WATER AND WITH PHYSICALLY ACTIVATED WATER. 11p, 10refs.
Order from SLA: $1.60 as TT-65-12072

Trans. of Geofisica e Meteorologia (Italy) v13 n3/4 p76-9 1964.

H. Food

TT-65-11879 Field 6H

Pavlov, G. M.; Orobei, V. G.
TRANSESTERIFICATION OF WHALE OIL. 11p, 5refs.
Order from SLA: $1.60 as TT-65-11879

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Pishchevaya Tekhnologiya (USSR) n1 p45-9 1961.

J. Industrial (occupational) medicine

TT-65-27353 Field 6J

Babanov, G. P.; Atsafonov, N. G.
PROBLEMES D'HYGIENE DU TRAVAIL QUE SOULEVE LA FABRICATION DE RESINES SYNTHETIQUES A PARTIR DU BUTYLPHENOL PARA TERTIAIRE ET DU FORMALDEHYDE. Org. 55; CNRS-G/R-4482.
Order from CNRS as G/R-4482
Trans. in French of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v7 n6 p6-9 1963.

TT-65-27354 Field 6J

Troshiva, I. M.
CARACTERISTIQUES DE LA MORBIDITE CHEZ LES TRAVAILLEURS DU STYROLENE. Org. 55;

CNRS-G/R-4483.
Order from CNRS as G/R-4483

Trans. in French of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v7 n9 p17-20 1963.

L. Medical and hospital equipment

TT-65-11884 Field 6L

PACKING DEVICE FOR FILIFORM ITEMS, PARTICULARLY SURGICAL LIGATURES. 6p.
Order from SLA: $1.10 as TT-65-11884

Trans. of Patent (France) 1 195 425
Patent cl, gr 19, Internat'l cl A 61 j , by Societe Anonyme des Laboratoires Robert et Carriere, France, filed 25 Apr 58, granted 19 May 59, pub 17 Nov 59.

TT-65-31660 Field 6L

Kabatov, Yu. F.; Kravchenko, P. A.; Linder, V. B.
THE MEDICAL INDUSTRY IN THE SOVIET UNION.
20 Jul 65, 27p. JPRS-31162.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31660

Trans. of Meditsinskaya Promyshlennost SSSR, v18 n9 p6-20 1964.

TT-65-62717 Field 6L, 6C

Lange, A. B.
MICROSURGICAL INSTRUMENTS AND ATTACHMENTS.
Tr. by Charles T. Ostertag, Jr. 1964, 10p, 5refs.
ABL-Trans-1027; AD-618 653.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 653

Trans. of Zoologicheskii Zhurnal (USSR) v42 n8 p1257-60 1963.

TT-65-62718 Field 6L, 6C

Tamarina, N. A.
MICROSURGERY TECHNIQUE ON INSECTS. Tr. by Charles T. Ostertag, Jr. 1963, 10p, 3refs. ABL-Trans-1029; AD-618 654.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 654.

Trans. of Zoologicheskii Zhurnal (USSR) v42 n8 p1260-4 1963.

M. Microbiology

TT-65-11938 Field 6M

Vitvitskii, V. M.
SENSITIVITY OF PROTEUS BACTERIA TO ANTIBIOTICS AND THEIR COMBINATIONS. 9p, 14refs.
Order from SLA: $1.10 as TT-65-11938

Trans. of Antibiotiki (USSR) v9 n8 p744-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-11974 Field 6M

Voropaeva, S. D.; Mogilevskaya, N. I.; Ratgauz, G. L.
THE DEVELOPMENT OF RESISTANT FORMS OF STAPHYLOCOCCI TO PENICILLIN AND STREPTOMYCIN ON A CHICK EMBRYO MODEL. 7p, 12refs.
Order from SLA: $1.10 as TT-65-11974

Trans. of Antibiotiki (USSR) v9 n12 p1077-80 1964.

TT-65-11975 Field 6M

Balyn, I. R.
THE SIGNIFICANCE OF THE INTRACELLULAR DEVELOPMENT OF STAPHYLOCOCCI IN LYMPH NODES OF ALBINO RATS IN RELATION TO THEIR SENSITIVITY TO COLIMYCIN AND PENICILLIN. 4p, 7refs.
Order from SLA: $1.10 as TT-65-11975

Trans. of Antibiotiki (USSR) v9 n12 p1070-2 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-11976 Field 6M

Sobolev, V. R.; Vlasova, I. V.; Kastrubin, E. M.
RAPID DETERMINATION OF THE SENSITIVITY OF VARIOUS GROUPS OF MICROORGANISMS TO ANTIBIOTICS BY THE USE OF PHASE CONTRAST MICROSCOPY. 6p, 7refs.
Order from SLA: $1.10 as TT-65-11976

Trans. of Antibiotiki (USSR) v9 n12 p1073-6 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-11993 Field 6M

Vyaseleva, S. M.; Ustimenko, L. M.
OBTAINING L-FORMS OF TREPONEMA PALLIDUM UNDER THE EFFECT OF SERUM FROM SYPHILITIC PATIENTS. 9p, 2refs.
Order from SLA: $1.10 as TT-65-11993

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n12 p104-9 1964.
See also 'Translated or Abstracted Publications.' in TT Vol. 14, No. 2.

TT-65-11995 Field 6M

CONTROLLING GROWTH OF MICROORGANISMS. 15p.
Order from SLA: $1.60 as TT-65-11995

Trans. of Patent (Belgium) 644 614.
Patented by Crown Zellerbach Corp., filed 2 Mar 64, pub. 30 June 64 (Priority: U. S., 10 Feb 64).

TT-65-12091 Field 6M

Fedorova, G. I.
THE IMPORTANCE OF THE CONDITION OF THE CELL WALL IN THE DEVELOPMENT OF L-FORMS. 8p, 9refs.
Order from SLA: $1.10 as TT-65-12091

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n12 p78-83 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12271 Field 6M, 6A, 7A

Castel, P.
ENZYMATIC CATALYSIS BY MICROORGANISMS AND ITS INDUSTRIAL APPLICATIONS. 42p, (103refs omitted) 17refs.
Order from SLA: $4.60 as TT-65-12271

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v17 n9 p1149-80 1962.

TT-65-12328 Field 6M

Tsvetkov, V. S.
SEPARATION OF ANTIGENS WITH LOW ELECTROPHORETIC MOBILITY BY IMMUNOFILTRATION. 10p, 8refs.
Order from SLA: $1.10 as TT-65-12328

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v58 n11 p116-9 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12329 Field 6M

Pershin, B. B.
USE OF IMMUNOELECTROPHORESIS AND IMMUNOFILTRATION FOR SEPARATION OF COMPLICATED ANTIGEN COMPLEXES. 7p, 8refs.
Order from SLA: $1.10 as TT-65-12329

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v58 n11 p119-22 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12347 Field 6M

Beyma Thoe Kingma, F. H. Van.
CONCERNING SOME FORMS OF VERTICILLIUM DAHLIAE KLEBAHN (Ueber Einige Formen von Verticillium Dahliae Klebahn). 18p.
Order from SLA: $1.60 as TT-65-12347

Trans. of Antonie van Leeuwenhoek; Journal of (Netherlands) v6 n1 1939/40.

TT-65-12353 Field 6M

Tomcsik, J.; Guex-Holzer, S.
CHANGES IN THE STRUCTURE OF THE BACTERIAL CELL DURING THE PROGRESS OF LYSOZYME ACTION (Aenderung der Struktur der Bakterienzelle im Verlauf der Lysozym-Einwirkung). 16p, 11refs.
Order from SLA: $1.60 as TT-65-12353

Trans. of Schweizerische Zeitschrift fuer Allgemeine Pathologie und Baktiriologie, v15 n4 p517-25 1952.

TT-65-27305 Field 6M

Bobir, A. D.
SUBSTANCES CONTENANT DES PROTEINES COMME INHIBITEURS DE VIRUS PHYTOPATHOGENES. Org. 40; CNRS-G/R-4434.
Order from CNRS as G/R-4434

Trans. in French of Mikrobiologichnyi Zhurnal (USSR) v25 n5 p71-5 1963.

TT-65-27386 Field 6M

Plakunov, V. K.
ETUDE SUR LE MECANISME D'ACTION DES TETRACYCLINES SUR LA SOUCHE 209 P de STAPHYLOCOQUE DORE. Org. 140-1222-564; CNRS-G/R-4515.
Order from CNRS as G/R-4515

Trans. in French of Mikrobiologiya (USSR) v33 n2 p337-43 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62674 Field 6M, 6O, 6T

CBE FACTORS: ANNOTATED BIBLIOGRAPHY, REPT. NO. 1, 16 Jul 65, 78p, 145refs. ATD-B-65-43; AD-618 467.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-618 467

Review of Soviet open literature pub. prior to 31 Dec 62 on Aerosols, Biological pathogens, and chemical substances.
Rept. on Surveys of Soviet-Bloc scientific and technical literature.

TT-65-62679 Field 6M, 6F, 6E

Pollitzer, R.
SOVIET BIOMEDICAL JOURNALS: SELECTED ABSTRACTS, SERIES III, No. 2, Feb 65, 94p.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-618 565

Consists of direct translations and/or abstracts of Russian open literature.
Contract DA18 108 405CML867A

TT-65-62716 Field 6M

Skvortsova, E. K.; Likhacheva, N. P.
ELECTRON MICROSCOPIC STUDY OF THE MORPHOLOGICAL CHANGES IN INTESTINAL BACTERIA AND ANTHRACOIDS FOLLOWING THE ACTION OF SOME PHENOL PREPARATIONS. Tr. by Charles T. Ostertag, Jr. 10 Mar 64, 7p, 5refs. ABL-Trans-1025; AD-618 652.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 652

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n1 p88-91 1963.
Available copy will not permit fully legible reproduction.

TT-65-62789 Field 6M, 6C, 6A, 6O, 6P

Jaskievicz, W. C. ed.
SOVIET BIOMEDICAL JOURNALS: INDEX TO SELECTED ABSTRACTS, SERIES II, NOS. 1-6. Jun 65, 68p. AD-618 717.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-618 717

Index to direct translations and/or abstracts of Russian open literature.
Contract DA18 108 405CML867A.

TT-65-62794 Field 6M

Abidov, A. A.
GENETIC RECOMBINATIONS IN INTESTINAL BACTERIA. III. STUDY OF THE GENETIC STRUCTURE OF DYSENTERY BACILLUS HYBRIDS (SEROLOGICAL PROPERTIES). Aug 64, 7p, 3refs. ABL-Trans-1154; AD-618 860.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 860

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v56 n9 p76-80 1963.
Another trans. is available from CFSTI, SLA, or ETC $1.60 as TT-64-19297.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62797 Field 6M

Korobkova, E. I.; Lobanov, V. N.; Kuznetsova, O. R.
STABILIZATION OF THE IMMUNOGENIC PROPERTIES OF THE GIRARD AND ROBIK EV STRAINS. Aug 64, 11p. ABL-Trans-1149; AD-618 863.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 863

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n2 p16-21 1964.
Available copy will not permit fully legible reproduction.

TT-65-62798 Field 6M

Kagan, G. Ya.; Prozorovskii, S. V.; Koptelova, E. I.; Schegolev, A. G.; Savenkova, V. T.
SOME GENERAL REGULARITIES IN THE FORMATION OF L-FORMS IN VARIOUS PATHOGENIC SPECIES OF BACTERIA. Tr. by Charles T. Ostertag, Jr. 1965, 9p, 2refs. ABL-Trans-1050; AD-618 864.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 864

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n11 p7-12 1963.

TT-65-62799 Field 6M, 6O

Khokhlov, D. T.; Kirov, S. M.
THE INFLUENCE OF STREPTOMYCIN ON THE EFFECTIVENESS OF EXPERIMENTAL IMMUNIZATION WITH LIVE VACCINES. REPT. II. ADMINISTRATION OF STREPTOMYCIN DURING IMMUNIZATION WITH TULAREMIA VACCINE. Tr. by Charles T. Ostertag, Jr. Jun 65, 10p, 18refs. ABL-Trans-1420; AD-618 865.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 865

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n10 p17-22 1964.

TT-65-62800 Field 6M

Mayorova, F. G.
A METHOD FOR DETERMINING THE CONCENTRATION OF KILLED PERTUSSIS VACCINE IN THE AIR. Tr. by Charles T. Ostertag, Jr. 1965, 6p. ABL-Trans-1051; AD-618 866.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 866

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n11 p65-9 1963.
Another trans. is available from CFSTI or ETC: HC$1.00, MF$0.50 as TT-64-19633, 10p.; figs. available on loan from CFSTI.

TT-65-62801 Field 6M, 6T

Bayer, G. A.
DETECTION OF BOTULIN TOXIN IN CANNED FOOD WITH THE HELP OF THE INDIRECT HEMAGGLUTINATION REACTION AFTER BOYDEN. Tr. by Charles T. Ostertag, Jr. 1965, 4p. ABL-Trans-1053; AD-618 867.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 867

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n11 p142 1963.

TT-65-62802 Field 6M

Olsufev, N. G.; Kucheruk, V. V.; Borodin, V. P.; Petrov, V. G.; Uglovoi, G. P.
CHANGES OF CONDITIONS OF EXISTENCE OF THE NATURAL TULAREMIA FOCUS IN THE NORTHERN AREA OF THE VOLGO-AKHTUBINSK FLOODPLAIN AREA IN CONNECTION WITH THE CONSTRUCTION OF THE VOLGOGRAD HYDROELECTRIC POWER STATION (Ob Izmenenii Uslovii Sushchestvovaniya Prirodnogo Ochage Tulyaremii v Severnoi Chasti Volgo-Aktubinskoi Poimy v Svyazi s Postroikoi Volgogradskoi Gidro-Elektricheskoi Stantsii). Tr. by Charles T. Ostertag, Jr. 1965, 9p, 4refs. ABL-Trans-1052; AD-618 868.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 868

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n1. p127-32 1963.
Another trans. is available from CFSTI, SLA, or ETC $1.10 as TT-64-15664, Trans. V-1915.

TT-65-62803 Field 6M

Volosivetz, A. I.
BACTERIOPHAGE-RESISTANT MUTANTS OF PASTEURELLA PESTIS AND THEIR PROPERTIES. 1965, 9p, 4refs. ABL-Trans-1070; AD-618 869.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 869

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v56 n11 p107-10 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62804 Field 6M

Emelyanova, O. S.; Ravdonikas, O. V.; Egorova, L. S.; Panina, N. V.; Pilipenko, V. G.
EVALUATION OF AN IMPROVED TULAREMIA DIAGNOSTIC ANTIGEN. Tr. by Charles T. Ostertag, Jr. 1956, 14p. ABL-Trans-1039; AD-618 870.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-618 870

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n10 p85-92 1963.
Another trans. is available from CFSTI, SLA, or ETC: $1.10 as TT-64-15668, 9p.

TT-65-62817 Field 6M

Vygodchikov, G. V.; Vorobev, A. A.; Larina, I. A.; Labinskii, A. P.; Gekker, V. D.
EXPERIMENTAL STUDY OF THE IMMUNOGENIC PROPERTIES OF ASSOCIATED ANAEROBIC TOXOIDS. COMMUNICATION V. IMMUNOGENIC PROPERTIES OF COMBINED POLYTOXOID IN PRIMARY IMMUNIZATION OF ANIMALS. Tr. by Charles T. Ostertag, Jr. 1965, 13p, 5refs. ABL-Trans-1030; AD-619 001.

Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 001

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n10 p51-8 1963.

TT-65-62819 Field 6M, 6C

Shtelman, A. I.
EXPERIMENTAL STUDY OF THE MECHANISM OF TRANSMISSION OF PLAGUE INFECTION AMONG MIDDAY AND TAMARISK GERBILS (MERIONES MERIDIANUS PALL. AND M. TAMARISCINUS PALL.) FROM THE VOLGA-URAL INTERFLUVIAL AREA. REPT. NO. 4: SUPPLEMENT TO THE PROBLEM OF THE INFECTION ABILITY OF FLEAS ON MIDDAY GERBILS. Tr. by Charles T. Ostertag, Jr. Jun 65, 5p. ABL-Trans-1421; AD-619 003.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 003

Trans. of Meditsinskaya Parazitologiya i Parazitarnye Bolezni (USSR) v32 n6 p739-40 1963.

TT-65-62820 Field 6M

Lebedinskii, V. A.
ISSUES OF TULAREMIA VACCINOPROPHYLAXIS IN THE WORKS OF AMERICAN AUTHORS (A REVIEW OF THE LITERATURE). Tr. by Charles T. Ostertag, Jr. 1965, 8p, 12refs. ABL-Trans-1042; AD-619 004.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 004

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v40 n10 p140-2 1963.

TT-65-62821 Field 6M

Yaromyuk, G. A.
OBSERVATIONS ON THE FIBRINOLYTIC ACTIVITY OF PLAGUE AND PSEUDOTUBERCULOSIS BACILLI. Tr. by Charles T. Ostertag, Jr. Jun 65, 10p, 24refs.
ABL-Trans-1412; AD-619 005.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 005

Trans. of Irkutskii Gosudarstvennyi Nauchno-Issledovatelskii Protivochumnyi Institut Sibiri i Dal'nego Vostoka. Izvestiya (USSR) v24 p196-201 1962.

TT-65-62822 Field 6M

Levashev, V. S.; Tsilinskii, Ya. Ya.
CONTAMINATION OF TISSUE CULTURES WITH PLEUROPNEUMONIALIKE ORGANISMS (PPLO). Tr. by Charles T. Ostertag, Jr. Jun 65, 8p, 9refs.
ABL-Trans-1413; AD-619 006.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 006

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n4 p115-8 1964.

TT-65-62825 Field 6M

Tkacheva, M. N.
APPLICATION OF THE STATISTICAL METHOD IN THE STUDY OF EPIDEMIOLOGICAL RELATIONS. Tr. by Charles T. Ostertag, Jr. Jun 65, 11p, 6refs.
ABL-Trans-1415; AD-619 009.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 009

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n9 p60-4 1964.

TT-65-62826 Field 6M

Ginsburg, N. N.; Saltkov, R. A.; Arkhipova, V. R.
THE STABILITY OF BIOLOGICAL PROPERTIES IN THE ANTHRAX STI-1 VACCINE STRAIN. Tr. by Charles T. Ostertag, Jr. Jun 65, 8p, 8refs. ABL-Trans-1419; AD-619 010.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 010

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n9 p104-7 1964.

O. Pharmacology

TT-65-12164 Field 6O

Brunner, H.
PHARMACOLOGICAL EFFECTS OF DESFERRIOXAMINE (DF) (Pharmakologische Wirkungen von Desferrioxamin (DF)). Summary of paper presented at the Netherlands Association for Hematology, Utrecht, 23 Nov 63. 2p, 4refs.
Order from SLA: $1.10 as TT-65-12164

Trans. of Nederlands Tijdschrift voor Geneesekunde v108 n34 p1647-8 1964.

TT-65-12167 Field 6O

Weitgasser, H.
EXPERIENCES WITH THE NEW LOCAL CORTICOID LOCACORTEN (Erfahrungen mit dem Neuen Lokalkortikoid Locacorten). 6p, (figs omitted) 4refs.
Order from SLA: $1.10 as TT-65-12167

Trans. of Praxis (Switzerland) v53 n24 p846-50 1964.

TT-65-12193 Field 6O

Savchenkova, N. T.; Kuznetsova, E. M.
SOVIET-MADE GUANETHIDINE FOR THE TREATMENT OF RENAL AND ARTERIAL HYPERTENSION. 9p, 24refs.
Order from SLA: $1.10 as TT-65-12193

Trans. of Terapevticheskii Archiv (USSR) v36 n7 p26-32 1964.

TT-65-12319 Field 6O

Raimondo, N. H.
CLINICAL EXPERIENCE WITH A NEW CORTICOSTEROID FOR TOPICAL USE IN ALLERGIC DERMOPATHIES (Experiencia Clinica de un Nuevo Corticosteroide de Uso Topico en Dermopatias Alergicas). 2p, 4refs.
Order from SLA: $1.10 as TT-65-12319

Trans. of Semana Medica (Argentina) v124 p1744-50 1964.

TT-65-12331 Field 6O

Larizza, P.
DESFERRIOXAMINE. SIDEROACHRESTIC ANEMIAS (Anemie Sideroacrestiche). 1p.
Order from SLA: $1.10 as TT-65-12331

Partial trans. of (p.2079-80) of Minerva Medica (Italy) v55 p2074-81 1964.

TT-65-27208 Field 6O

Stahlavska, A.; Malat, M.
DOSAGE PHOTOMETRIQUE DE L'ACIDE EDETIQUE ET DE SES SELS.I. DOSAGE DE PETITES QUANTITES D'EDTACAL DANS LES PREPARATIONS DE FABRICATION NATIONALE (Fotometricke Stanoveni Kyseliny Ethylendiamintetraoctove a Jejich Soli. I. Stanoveni Malych Mnozstvi Edtacalu v Pripravcich Domaci Vyroby). 16p, (foreign text included) 7refs. CNRS-XLV 141.
Order from ETC: $1.60 as TT-65-27208

Trans. in French of Ceskoslovenska Farmacie, v13 n3 p89-93 1964.
Also available from CNRS.

TT-65-27216 Field 6O

Kalina, V.; Masita, A.; Kubec, K.
METHODE DE PURIFICATION DES ANTIBIOTIQUES BASIQUES. 11p. CNRS-XXI 686.
Order from ETC: $1.60 as TT-65-27216

Trans. in French of Patent (Czechoslovakia) 106 640.
Patent filed 30 Sep 61, pub. 15 Feb 63.
Also available from CNRS.

TT-65-27217 Field 6O

Barkalaya, A. I.
EFFET TRANSPLACENTAIRE DES ANTIBIOTIQUES DU GROUPE DES TETRA CYCLINES SUR LES REINS DE L'EMBRYON DE RAT. 8p, 6refs. CNRS-XXI 680.
Order from ETC: $1.10 as TT-65-27217

Trans. in French of Voprosy Okhrany Materinstva i Detstva (USSR) v8 n2 p80-3 1963.
Another trans. is available in English from FASEB $2.00 in Federation Proceedings Translation Supplement, v23 n4 pt. II (pT753-4).
Also available from CNRS.

TT-65-27226 Field 6O, 6T

Barkalaya, A. I.
EFFET TRANSPLACENTAIRE TOXIQUE DES ANTIBIOTIQUES DU GROUPE DES TETRACYCLINES SUR L'EMBRYON DE L'ANIMAL A SANG CHAUD. 8p, 4refs. CNRS-XXI 679.
Order from ETC: $1.10 as TT-65-27226

Trans. in French of Voprosy Okhrany Materinstva i Detstva (USSR) v8 n2 p80-3 1963.
Also available from CNRS.
Another trans. is available in English from FASEB $2.00 in Federation Proceedings Translation Supplement, v23 n4 pt. II pT753-4.

TT-65-27382 Field 6O

Aleksandrov, N. I.; Gefen, N. E.; Runova, V. F.; Ezepchuk, Yu. V.
RECHERCHE SUR L'EFFICACITE DE VACCINS CONTRE CERTAINES ZOONOSES. COMM. VI. ESSAI D'OBTENTION DE VACCIN CHIMIQUE ANTICHARBONNEUX DANS DES CONDITIONS SEMI-INDUSTRIELLES. Org. 140-1132-264; CNRS-G/R-4511.
Order from CNRS as G/R-4511

Trans. in French of Zhurnal Mikrobiologii, Epidemiologii i immunobiologii (USSR) v41 n1 p119-25 1964.
Another trans. is available in English from CFSTI, ETC or SLA $1.10 as TT-64-15420.
Tran -V-1919, 1964, 8p.
See also 'Translated or Abstracted Publications.' in TT Vol. 14, No. 2.

TT-65-27385 Field 6O

Morgunov, I. N.; Yagud, S. L.; Barshtein, Yu. A.
MECANISME DE LA POTENTIALISATION DE L'ACTION ANTIGENIQUE D'UN ANATOXINE PAR UNE TOXINE. COMM. 1. SPECIFICITE DE L'ACTION DE POTENTIALISATION D'UNE TOXINE. Org.140-1219-564; CNRS-G/R-4514.
Order from CNRS as G/R-4514

Trans. in French of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n4 p40-5 1964.
See also 'Translated or Abstracted Publications.' in TT Vol. 14, No. 2.

TT-65-62715 Field 6O

Aleksandrov, N. I.; Gefen, N. E.; Runova, V. G.; Ezepchuk, Yu. V.
SEARCH FOR EFFECTIVE CHEMICAL VACCINES AGAINST SOME ZOONOSES. COMMUNICATION IV. EXPERIENCES IN OBTAINING CHEMICAL ANTHRAX VACCINES IN SEMI-INDUSTRIAL CONDITIONS (Izyskanie Effektivnykh Khimicheskikh Vaktsin Protiv Nekotorykh Zoonoz. Soobshchenie 4. Opyt Polucheniya Khimicheskoi Sibireyazvennoi Vaktsiny v Poluproizvodstvennykh Usloviyakh). 1964, 13p, 4refs. ABL-Trans-1023; AD-618 651.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 651

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n1 p119-25 Jan 1964.
Another trans. is available from CFSTI, SLA or ETC $1.10 as TT-64-15420, Trans. V-1919, 8p.
Available copy will not permit fully legible reproduction.

P. Physiology

TT-65-11935 Field 6P

Reichelt, A.; Voth, D.; Mueller-Marienburg, H.; Kohlhardt, M.
EFFECT OF ANGIOTENSIN II ON THE ADRENAL CORTEX UNDER CHEMICAL ADRENOSTASIS PRODUCED BY SU 4885 (METOPIRONE) (Zum Einfluss von Angiotensin II auf die Nebennierenrinde unter Chemischer Adrenostase mit SU 4885 (Metopiron). 6p, 20refs.
Order from SLA: $1.10 as TT-65-11935

Trans. of Experientia (Switzerland) v20 n8 p451-2 1964.

TT-65-11936 Field 6P

Muscholl, E.; Lindmar, R.
EFFECT OF RESERPINE ON C-METHYLNOREPINEPHRINE STORED IN THE HEART (Wirkung von Reserpin auf im Herzen Gespeichertes C-Methylnoradrenalin). 1p, 1refs.
Order from SLA: $1.10 as TT-65-11936

Trans. of Naunyn-Schmiedeberg's Archiv fuer Experimentelle Pathologie und Pharmakologie (West Germany) v247 n4 p298-9 1964.

TT-65-11937 Field 6P

Lindmar, R.; Bisson, G. M.; Muscholl, E.
TISSUE UPTAKE OF GUANETHIDINE AFTER SYMPATHETIC DENERVATION AND PRETREATMENT WITH RESERPINE (Aufnahme von Guanethidin in Gewebe nach Sympathischer Denervierung und Vorbehandlung mit Reserpin). 2p, 2refs.
Order from SLA: $1.10 as TT-65-11937

Trans. of Naunyn-Schmiedeberg's Archiv fuer Experimentelle Pathologie und Pharmakologie (West Germany) v247 n4 p303-4 1964.

TT-65-12007 Field 6P

Schloesser.
CURE OF PERIPHERAL IRRITATION OF SENSORY AND MOTOR NERVES. 2p.
Oder from SLA: $1.10 as TT-65-12007

Trans. of Klinisches Monatsblaetter fuer Augenheilkunde (Germany) v41 p244-5 1903.

TT-65-12013 Field 6P

Haselhorst, G.
PRACTICAL USEFULNESS OF THE ESR IN GYNECOLOGY PLUS STUDIES OF THE ERRORS OF THE TEST (Praktische Brauchbarkeit der Senkungsprobe der Erythrozyten in der Gynaekologie nebst Untersuchungen ueber Fehlerquellen des Verfahrens). 8p, (tables omitted).
Order from SLA: $1.10 as TT-65-12013

Trans. of Deutsche Medizinische Wochenschrift (West Germany) v48 p1100-2 1922.

TT-65-12166 Field 6P

Peters, G.
STUDY OF THE NATRIURETIC EFFECT OF ANGIOTENSIN IN THE RAT (Etude de l'Effet Natriuretique de l'Angiotensine chez le Rat). 3p, 3refs.
Order from SLA: $1.10 as TT-65-12166

Trans. of Helvetica Physiologica et Pharmacologica Acta (Switzerland) v22 n1 pC34-5 1964.

TT-65-12345 Field 6P

Meier, R.; Bein, H. J.
CONCERNING THE CHARACTERIZATION OF SPECIFIC PHARMACOLOGIC ACTIONS AND OF THE RECEPTOR SYSTEM OF THE SUBSTRATE AFFECTED BY THEM (Zur Charakterisierung der Spezifitaet Pharmakologischer Wirkungen und des sie Bedingenden Rezeptorsystems des Substrates). 21p, 19refs.
Order from SLA: $2.60 as TT-65-12345

Trans. of Biochimica et Biophysica Acta (Netherlands) v4 p144-55 1950.

TT-65-12354 Field 6P

Soueges, R.
EMBRYOLOGY AND CLASSIFICATION (Embryogenic et Classification). 21p.
Order from SLA: $2.60 as TT-65-12354

Trans. of Actualites Scientifiques et Industrielles (France) p29-41 n.d.

TT-65-12384 Field 6P

Brock, N.; Druckrey, H.; Herken, H.
TISSUE METABOLISM AFTER DAMAGE AND PHYSIOLOGICAL STIMULATION (Der Gewebsstoffwechsel nach Schadigung und Physiologischer Erregung). 18p, 9refs.
Order from SLA: $1.60 as TT-65-12384

Trans. of Naunyn-Schmiedeberg's Archiv fuer Experimentelle Pathologie und Pharmakologie (Germany) v191 p687-95 1939.

TT-65-12389 Field 6P

Bornschein, H.
THE INFLUENCE OF THE STATE OF ADAPTATION AND STIMULUS INTENSITY ON THE COMPONENTS OF THE HUMAN ELECTRORETINOGRAM (Der Einfluss von Adaptationszustand und Reizintensitat auf die Komponenten des Menschlichen Elektroretiongramms). 24p, 25refs.
Order from SLA: $2.60 as TT-65-12389

Trans. of Zeitschrift fuer Biologie (West Germany) v105 n6 p454-63 1953.

TT-65-12568 Field 6P

Thiemer, K.
CELL STRUCTURE OF THE ISLETS OF LANGERHANS IN THE ALLOXAN DIABETIC, HYPOPHYPHYSECTOMIZED RAT, AND AFTER ADMINISTRATION OF SOMATOTROPHIN IN THE NORMAL RAT (Zellbild der Langerhansschen Inseln beim Alloxan-Diabetes der Hypophysektomierten Ratte und nach Zufuhr van Somatotropin bei Normalen Ratten). 20p, 43refs.
Order from SLA: $1.60 as TT-65-12568

Trans. of Endokrinologie (East Germany) v30 p176-84 1953.

TT-65-12570 Field 6P

Endroeczi, E.; Mess, B.
INFLUENCE OF HYPOTHALAMIC LESIONS ON THE FUNCTION OF THE HYPOPHYSEAL-ADRENOCORTICAL SYSTEM (Einfluss von Hypothalamuslaesionen auf die Funktion des Hypophysen-Nebennierenrinden-Systems). 15p, 11refs.
Order from SLA: $1.60 as TT-65-12570

Trans. of Endokrinologie (East Germany) v33 n1/2 p1-8 1955.

TT-65-12598 Field 6P

Holecek, V.; Polak, H.; Blaha, J.; Jirasek, M.
A NEW MODIFICATION IN THE ASSAY OF THE ANTIDIURETIC HORMONE (Eine Neue Modifikation der Adiuretinbestimmung). 14p, 9refs.
Order from SLA: $1.60 as TT-65-12598

Trans. of Endokrinologie (East Germany) v32 p38-45 1954.

TT-65-12624 Field 6P

Chambon, Y.
CONCERNING THE ENDOCRINE CONDITIONING OF THE TRAUMATIC DECIDUOMA IN THE CASTRATE RAT (Sur le Conditionnement Endocrinien du Deciduome Traumatique chez la Rate Castree). 8p, 14refs.
Order from SLA: $1.10 as TT-65-12624

Trans. of Societe de Biologii et de ses Filiales. Comptes Rendus des Seances (France) v146 n13/14 p1095-8 1952.

TT-65-27185 Field 6P

Balitskii, K. P.
EFFET DE LA DECORTICATION SUR L'ETAT FONCTIONNEL DU SYSTEME DU TISSU CONJONCTIF (Vplyv Dekortykatsiyi na Funktsional'nyi Stan Systemy Spoluchnoi Tkanyny). 17p, (foreign text included) 47refs. CNRS-III 337.
Order from ETC: $1.60 as TT-65-27185

Trans. in French of Fiziologichnyi Zhurnal (USSR) v8 n5 p609-15 1962.
Also available from CNRS.

TT-65-27245 Field 6P

Bogach, P. G.; Nesen, K. I.
MECANISMES NERVEUX ET NEURO-HUMORAUX DE TRANSMISSION DES INFLUENCES DE L'HYPOTHALAMUS SUR L'ACTIVITE MOTRICE DU TRACTUS GASTRO-INTESTINAL. 15p, 14refs. CNRS-XVI-470.
Order from ETC: $1.60 as TT-65-27245

Trans. in French from Fiziologicheskii Zhurnal SSSR, v49 n8 1963.
Also available from CNRS.

TT-65-27246 Field 6P

Lotis, M. V.
REGULATION CORTICALE DE LA FONCTION MOTRICE DE L'UTERUS. 14p. CNRS-XVI 471.
Order from ETC: $1.60 as TT-65-27246

Trans. in French of Akusherstvo i Ginekologiya (USSR) v29 n2 p9-15 1953.
Also available from CNRS.

TT-65-27250 Field 6P

Netushil, Ya.
ESTIMATION QUANTITATIVE DE L'EBLOUISSEMENT. 11p, 10refs. CNRS-XVIII 135.
Order from ETC: $1.60 as TT-65-27250

Trans. in French of Svetotekhnika (USSR) v5 n7 p13-7 1959.
Another trans. is available in English from CFSTI, ETC or SLA $1.10 as TT-61-13952, LC-984, June 60, 7p.
Also available from CNRS.

TT-65-31511 Field 6P

Shuba, M. F.
EFFECT OF OXYGEN, CARBON DIOXIDE, AND NITROGEN ON THE ELECTRIC PROPERTIES OF THE SMOOTH MUSCLE. 9 Jul 65, 10p. JPRS-31013.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31511

Trans. of Fiziologichnyi Zhurnal (USSR) v10 n2 p156-62 Mar/Apr 1964.
Available copy will not permit fully legible reproduction.

TT-65-31765 Field 6P

Kubyak, O. K.
RELATION BETWEEN WORK SPAN AND REST PERIODS FOR PEOPLE OF VARIOUS AGES. 27 Jul 65, 7p, 8refs. JPRS-31268.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31765

Trans. of Fiziologichnyi Zhurnal (USSR) v10 n4 p521-3 1964.

TT-65-31766 Field 6P

Lakhin, P. V.
PROCEDURES FOR THE GRAPHIC RECORDING OF THE QUANTITY OF BIOLOGICAL FLUIDS. 27 Jul 65, 6p, 8refs. JPRS-31269.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31766

Trans. of Fiziologichnyi Zhurnal (USSR) v10 n4 p558-60 1964.

R. Radiobiology

TT-65-27395 Field 6R

Sisakyan, N. M.; Antipov, V. V.; Saksonov, P. P.; Yazdovskii, V. I.
ETUDE DE L'EFFET BIOLOGIQUE DU RAYONNEMENT COSMIQUE AU COURS D'UN VOL DANS LA HAUTE ATMOSPHERE. Org. 148-319; CNRS-G/R-4524.
Order from CNRS as G/R-4524

Trans. in French of Radiobiologiya (USSR) v4 n3 p337-43 1964.
Another trans. is available in English from CFSTI or ETC, HC$1.00, MF$0.50 as TT-65-62108, FASEB-S-750-4, 25p.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27396 Field 6R

Volynkin, Yu. M.; Parin, V. V.; Antipov, V. V.; Guda, V. A.; Dobrov, N. N.
PROTECTION CONTRE LES RADIATIONS AU COURS DES VOLS DE COSMONAUTES SOVIETIQUES A BORS DES 'VOSTOCKS'. Org. 148-320; CNRS-G/R-4525.
Order from CNRS as G/R-4525

Trans. in French of Radiobiologiya (USSR) v4 n3 p344-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-31777 Field 6R, 6S

Loshak, A. Y.
THE EFFECTS OF CLIMATIC CONDITIONS ON CHRONIC IRRADIATION BY SUPERHIGH-FREQUENCY ENERGY. 28 Jul 65, 9p, 9refs. JPRS-31280.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31777

Trans. of Gigiena i Sanitariya (USSR) v30 n6 p18-22 1965.

TT-65-31778 Field 6R, 6T

Dergachev, V. I.
ON THE METHOD OF INHALATION POISONING OF ANIMALS WITH RADIOACTIVE AEROSOLS. 28 Jul 65, 6p, 7refs. JPRS-31281.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31778

Trans. of Gigiena i Sanitariya (USSR) v30 n6 p70-2 1965.

S. Stress physiology

TT-65-31747 Field 6S

Koreshkov, A.
A HUMAN EXPOSED TO EXTREME CONDITIONS OF SPACE TRAINING. 27 Jul 65, 6p. JPRS-31250.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31747.

Trans. of Tekhnika Molodezhi (USSR) v33 n6 p18-9 1965.

TT-65-62708 Field 6S

Malkin, V. B.
THE PROBLEMS OF BIOLOGY OF SPACE FLIGHT. THE IDEAS OF TSIOLKOVSKI BECOME REALIZED. 24 May 65, 24p, 13refs. FTD-TT-65-73; AD-618 644.
Available on loan from CFSTI as TT-65-62708

Unedited rough draft trans. of Priroda (USSR) v48 n10 p35-44 1959.
Another trans. is available from LC or SLA mi$2.70, ph$4.80 as TT-60-11516, JPRS-2531, 21 Apr 60.
Document is not reproducible and is available from the Clearinghouse on loan only.

T. Toxicology

TT-65-12163 Field 6T

Ursi, R.; Corneli, O.; Verdini, J. E.
GUANETHIDINE THERAPY OF TOXEMIA OF PREGNANCY. (Tratamiento de la Gestosis Hipertensive con Guanetidina). 7p, 10refs.
Order from SLA: $1.10 as TT-65-12163

Trans. of la Semana Medica (Argentina) v124 n7 p409-12, 423 1964.

TT-65-31683 Field 6T, 6F, 6J

Khokholkova, G. A.
DETERMINATION OF DINITROPHENOL CHEMICAL POISONS IN FECES. 21 Jul 65, 5p, 8refs. JPRS-31186.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31683

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v8 n10 p57-8 1964.

07 CHEMISTRY

A. Chemical engineering

TT-65-12030 Field 7A

Drawert, F.
PROCESS AND APPARATUS FOR THE CONVERSION OF AQUEOUS ALCOHOLIC SOLUTIONS OF SUITABLE COMPOUNDS WITH AN ATTACHED GAS CHROMATOGRAPHIC ANALYSIS. 5p, (figs omitted).
Order from SLA: $1.10 as TT-65-12030

Trans. of Patent (Germany) 1 177 852.
Patent internat'l cl G 01 n, filed 13 June 62, pub. 10 Sep 64.

TT-65-12057 Field 7A

Granier, L. F.
MANUFACTURE OF CALCIUM CARBIDE WITH THE CARBON EXTRACTED FROM THE CARBON DIOXIDE PROCEEDINGS FROM COMBUSTION FURNACES. 12p, (figs omitted).
Order from SLA: $1.60 as TT-65-12057

Trans. of Patent (France) add. 52 325.
Second addition to patent 885,104, filed 30 Dec 41, granted 25 Oct 43, pub. 1 Feb 44.

TT-65-12070 Field 7A

Taneda, Y.
ETHYLENE CARBONATE. 17p, (foreign text included) 31refs.
Order from SLA: $1.60 as TT-65-12070

Trans. of Yuki Gosei Kagaku Kyokai shi (Japan) v17 n12 p783-8 1959.

TT-65-12074 Field 7A

Kitanara, M.; Konishi, T.
SEPARATION AND ANALYSIS OF OXO-COMPOUNDS BY GAS CHROMATOGRAPHY. 19p, 11refs.
Order from SLA: $1.60 as TT-65-12074

Trans. of Rikagaku Kenkyujo Hokoku (Japan) v38 p90-4 1962.

TT-65-12099 Field 7A

Lyamzin, I. T.
ANTI-CORROSIVE PROTECTION OF VISCOSE PIPELINES. 2p.
Order from SLA: $1.10 as TT-65-12099

Trans. of Khimicheskie Volokna (USSR) n4 p62 1963.

TT-65-12141 Field 7A

Kobayashi, K.; Ishikawa, H.
THE CATALYTIC ACTION OF ACID CLAY, CLAY, AND OTHER MINERALS UPON NEUTRAL SALTS. PART I. ACID CLAYS. 17p.
Order from SLA: $1.60 as TT-65-12141

Trans. of Kogyo Kagaku Zasshi (Japan) v44 p222-5, 449-51, 540-2, 646-51 1941.

TT-65-12192 Field 7A

Muehlberg, H.
DIRECTION OF DEVELOPMENT OF THE POTASH INDUSTRY (Entwicklungstendenzen in der Kaliindustrie). 15p, (foreign text included) 25refs.
Order from SLA: $1.60 as TT-65-12192

Trans. of Chemische Technik (East Germany) v15 n12 p708-12 1963.

TT-65-12214 Field 7A

Stijntjes, G. J. F.; Voetter, H.; Roelofsen, E. F.; and Vertstappen, J. J.
BENZENE PRODUCTION BY DEALKYLATION OF TOLUENE THE SHELL 'BEXTOL' PROCESS. 26p, 73refs.
Order from SLA: $2.60 as TT-65-12214

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v14 n12 p1011-8 1961.

TT-65-12282 Field 7A

Jacquard, P.
THEORY OF THE INTERPRETATION OF PRESSURE MEASUREMENTS. 89p, 9refs.
Order from SLA: $8.10 as TT-65-12282

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v19, n3 p297-334 1964.

TT-65-12289 Field 7A, 9B

Bourget, J. M.
OPTIMALIZATION OF THE CONTROL OF REFINING PROCESSES BY MEANS OF ELECTRONIC COMPUTERS AND OF CONTINUOUS ANALYTICAL APPARATUS. 16p, 12refs.
Order from SLA: $1.60 as TT-65-12289

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v17 n4 p585-95 1962.

TT-65-12299 Field 7A

Helfferich, F.
CALCULATION OF INDUSTRIAL, ION-EXCHANGING COLUMNS. A CRITICAL INVESTIGATION ON THE THEORETIC BASES AND METHODS. 32p, 116refs.
Order from SLA: $3.60 as TT-65-12299

Trans. of Chemie-Ingenieur-Technik (West Germany) v34 n4 p269-82 1962.

TT-65-12407 Field 7A

Letters, K.
FATTY ACIDS AND ALIPHATIC AMINES IN THE PREPARATION OF BITUMEN. 35p, (3 figs omitted) 15refs.
Order from SLA: $3.60 as TT-65-12407

Trans. of Fette Seifen Anstrichmittel (West Germany) v66 n2 p112-22 1964.

TT-65-12418 Field 7A

Ripa, D.; Angelis, A. de.; Berti, V.
SELECTIVE EXTRACTION IN LIQUID PHASE OF HYDRO CARBONS. 29p, 11refs.
Order from SLA: $2.60 as TT-65-12418

Trans. of la Rivista dei Combustibili (Italy) v10 n11 p803-29 1956.

TT-65-12421 Field 7A

Schneider, K. W.
SALES DEVELOPMENT AND PRODUCTION OF PETROCHEMICAL BASIC MATERIALS. 20p, 22refs.
Order from SLA: $1.60 as TT-65-12421

Trans. of Erdoel Zeitschrift (Austria) v77 p315-5 1961.

TT-65-12425 Field 7A

Hunsmann, W.
BUTADIENE-1,3 AND BUTENE-1 SEPARATION THROUGH AZEOTROPIC DISTILLATION WITH METHYLAMINE. 10p, 9refs.
Order from SLA: $1.10 as TT-65-12425

Trans. of Chemie-Ingenieur-Technik (West Germany) v33 n8 p537-40 1961.

TT-65-12429 Field 7A

Germain, J. E.; Vaniscotte, C.
METHANE CRACKING IN A TUBULAR REACTOR. 10p, 10refs.
Order from SLA: $1.10 as TT-65-12429

Trans. of Societe Chimique de France. Bulletin, n3 p319-23 1958.

TT-65-12430 Field 7A

Kraaijveld, H. J.; Waterman, H. I.
CHEMICAL ACTION OF A GAS DISCHARGE ON HYDROCARBONS. I. CONVERSION OF METHANE TO COMPOUNDS OF HIGHER MOLECULAR WEIGHT AND EFFECT OF REACTION CONDITIONS ON THIS CONVERSION. 16p, 22refs.
Order from SLA: $1.60 as TT-65-12430

Trans. of Brennstoff-chemie (West Germany) v42 n12 p369-75 1961.

TT-65-12435 Field 7A

Radzitzky, P. de.; Hanotier, J.; Brandli, J.; Hanotier-Bridoux, M.
SEPARATION OF COMPLEX MIXTURES OF AROMATIC ISOMERS BY A NEW CLATHRATION PROCESS. 10p, 9refs.
Order from SLA: $1.10 as TT-65-12435

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v16 n7/8 p886-93 1961.

TT-65-12437 Field 7A

Deffrenne, P.; Marle, C.; Pacsirszky, J.; Jeantet, M.
DETERMINATION OF THE PRESSURES OF MISCIBILITY. 32p, 2refs.
Order from SLA: $3.60 as TT-65-12437

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v16 n6 p678-700 1961.

TT-65-12444 Field 7A

Padovani, C.; Berti, V.; Prinetti, A.
PROPERTIES AND STRUCTURE OF ASPHALTENES SEPARATED FROM MINERAL OIL RESIDUA. Paper presented at the World Petroleum Congress (no. 5) New York, May-Jun 59. 31p, (1 table omitted) 25refs.
Order from SLA: $3.60 as TT-65-12444

Trans. of la Rivista dei Combustibili (Italy) v13 n7/8 p493-522 1959.

TT-65-12447 Field 7A

Astarita, G.
LIQUID-LIQUID EXTRACTION IN A BUBBLE TRAY

COLUMN. 11p, 13refs.
Order from SLA: $1.60 as TT-65-12447

Trans. of la Chimica e l'Industria (Italy)
v43 n8 p861-6 1961.

TT-65-12449 Field 7A

Westerterp, K. R.
REACTIONS INVOLVING CONTACT BETWEEN GAS AND LIQUID. Summary of papers presented at Symposium over 'Chemical Reaction Engineering', Amsterdam, 26-28 Apr 60. 3p.
Order from SLA: $1.10 as TT-65-12449

Trans. of de Ingenieur (Netherlands) v72 n32 pCH99-100 1960.

TT-65-12452 Field 7A

Agafonov, A. V.; Abaeva, B. T.; Okinshevich, N. A.; Andreeva, A. S.; Morozov, V. I.
DEVELOPMENT OF EXTRACTIVE METHODS FOR THE PRODUCTION OF CARBON BLACK RAW-MATERIAL FROM CATCRACKED GAS OILS. 5p.
Order from SLA: $1.10 as TT-65-12452

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v9 n5 p13-6 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12455 Field 7A

Stemerding, S.
PNEUMATIC TRANSPORTATION OF CRACKING CATALYST IN VERTICAL CONDUITS. Paper presented at the Symposium on Pneumatic Transport, Utrecht, 25 Nov 59. 12p, 2refs.
Order from SLA: $1.60 as TT-65-12455

Trans. of de Ingenieur (Netherlands) v72 n38 pCH121-6 1960. Another trans. is available from ATS $18.40 as ATS-12N52DU, 12p.

TT-65-12456 Field 7A

Wijthoff, J.
PHEUMATIC TRANSPORTATION OF POWDERED CRACKING CATALYSTS IN FLUIDIZED STATE. Paper presented at the Symposium on Pneumatic Transport., Utrecht, 25 Nov 59. 5p.
Order from SLA: $1.10 as TT-65-12456

Trans. of de Ingenieur (Netherlands) v72 n38 pCH126-8 1960.

TT-65-12457 Field 7A

Koppen, C. W. J. van.
PNEUMATIC TRANSPORTATION OF COARSE MATERIAL IN A HORIZONTAL CONDUIT. Paper presented at the Symposium on Pneumatic Transport. Utrecht, 25 Nov 59. 18p, 12refs.
Order from SLA: $1.60 as TT-65-12457

Trans. of de Ingenieur (Netherlands) v72 n38 pCH128-36 1960.

TT-65-12459 Field 7A

Rozlovskii, A. I.; Borisova, I. Yu.
THE EXPLOSION PROOF COURSE OF LIQUID-PHASE TOLUENE OXIDATION WITH AIR. 6p, 15refs.
Order from SLA: $1.10 as TT-65-12459

Trans. of Khimicheskaya Promyshlennost (USSR) n3 p199-201 1964.

TT-65-27186 Field 7A

Neipert, K. V.; Golovachevskii, Yu. A.; Shevchenko, D. N.; Smyslov, N. I.
EMPLOI D'UN ABSORBEUR A REMPLISSAGE PARTIEL AVEC GICLEURS-PULVERISATEURS DANS LA FABRICATION DE L'ACIDE DES CHAMBRES DE PLOMB (Primenenie Chastichno Nasazhennogo Absorbera s Raspylivayushchimi Forsunkami v Proizvodstve Bashennoi Kisloty). 11p, (foreign text included) 2refs. CNRS-VI 1203.
Order from ETC: $1.60 as TT-65-27186

Trans. in French of Kimicheskaya Promyshlennost (USSR) n5 p70(390)-72(392) 1963.
Also available from CNRS.

TT-65-27187 Field 7A

Beskov, V. S.; Buzhdan, Ya. M.; Slinko, M. G.
CALCUL DES APPAREILS DE CONTACT AVEC COUCHES ADIABATIQUES DE CATALYSEUR POUR L'OXYDATION DE L'ANHYDRIDE SULFUREUX (Raschet Kontaktnykh Apparatov s Adiabaticheskimi Sloyami Katalizatora dlya Okisleniya Dvuokisi Sery). 17p, (foreign text included) 3refs. CNRS-VI 1204.
Order from ETC: $1.60 as TT-65-27187

Trans. in French of Khimicheskaya Promyshlennost (USSR) n10 p(721) 1-(724) 4 1963.
Also available from CNRS.

TT-65-27188 Field 7A

Mukhlenov, I. P.; Sarkits, V. B.; Osipova, E. N.
SUR L'EMPLOI DES APPAREILS DE CONTACT AVEC COUCHE PSEUDO-FLUIDIFIEE DE CATALYSEUR DANS LA FABRICATION DE L'ACIDE SULFURIQUE (O Primenenii Kontaktnykh Apparatov s Psevdoozhizhennym Sloem Katalizatora v Proizvodstve Sernoi Kisloty). 15p, (foreign text included) 10refs. CNRS-VI 1205.
Order from ETC: $1.60 as TT-65-27188

Trans. in French of Khimicheskaya Promyshlennost (USSR) n11 p(833)33-(836)36 1963.
Also available from CNRS.

TT-65-27221 Field 7A

Nyvlt, J.; Vaclavu, V.
DETERMINATION DES PARAMETRES POUR LA CRISTALLISATION DU SULFATE D'AMMONIUM. 12p.
CNRS-XXVIII 137.
Order from ETC: $1.60 as TT-65-27221

Trans. in French of Chemicky Prumysl (Czechoslovakia) v12(37) p63-6 1962.
Also available from CNRS.

B. Inorganic chemistry

TT-65-12044 Field 7B

Duparc, L.; Wenger, P.; Urfer, C.
CONTRIBUTION TO THE STUDY OF THE AMMONIA SYNTHESIS. 26p, 38refs.

Order from SLA: $2.60 as TT-65-12044

Trans. of Helvetica Chimica Acta (Switzerland) v13 p650-66 1930.

TT-65-12154 Field 7B

Feher, F.; Lutz, H. D.
CONTRIBUTION TO THE CHEMISTRY OF SULFUR. 3p, (3 refs omitted) 2refs.
Order from SLA: $1.10 as TT-65-12154

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v334 n3/4 p202-4 1964.
Another trans. is available from TC $3.50 as TC-564, 3p.

TT-65-12219 Field 7B

Steger, E.; Herzog, K.
THE VIBRATION SPECTRUM OF PHOSPHORIC ACID. I. INFRARED AND RAMAN SPECTRA OF PHOSPHATE SOLUTIONS. 17p, 25refs.
Order from SLA: $1.60 as TT-65-12219

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v331 n3/4 p169-82 1964.

TT-65-12249 Field 7B

Courtois, G.
PREPARATION OF ANHYDROUS SODIUM SULFIDE. 2p, 6refs.
Order from SLA: $1.10 as TT-65-12249

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v207 p1220-1 1938 (pub. by Gauthier-Villars et Cie., Paris).

TT-65-12295 Field 7B

Lapitskii, A. V.; Simanov, Yu. P.
LITHIUM METANIOBATE AND METATANTALATE. 6p, 5refs.
Order from SLA: $1.10 as TT-65-12295

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v29 n7 p1201-3 1955.
Other trans. are available from CFSTI or SLA $1.10 as TT-63-15883, SCL-T-437, 6p and from CFSTI or SLA $1.10 as TT-62-18212, 14p.

TT-65-12305 Field 7B

Krilov, E. I.; Sharnin, A. A.
SYNTHESIS AND PROPERTIES OF NIOBIUM BRONZES. 12p, 10refs.
Order from SLA: $1.60 as TT-65-12305

Trans. of Zhurnal Obshchei Khimii (USSR) v25 n9 p1680-5 1955.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Other trans. are available from CFSTI or SLA $1.10 as TT-62-16067, 10p and from CFSTI, ETC or CIO $1.60 as TT-63-26705, 12p.

TT-65-27209 Field 7B

Bergstein, A.; Vintera, J.
LA DISSOCIATION THERMIQUE DU CARBONATE DE MANGANESE (Die Thermische Zersetzung von Mangancarbonat). Tr. by A. Bergstein. 31p, (foreign text included) 12refs. CNRS-VIIIb 1135.
Order from ETC: $3.60 as TT-65-27209

Trans. in French of Collection of Czechoslovak Chemical Communications, v22 p884-95 1957.
Also available from CNRS.

TT-65-27213 Field 7B

Zelikman, A. N.; Baryshnikov, N. V.
PROCEDE DE PREPARATION DU RHENIUM. 4p.
CNRS-VII 189.
Order from ETC: $1.10 as TT-65-27213

Trans. in French of Patent (USSR) 155 933.
Patent appl. no. 770 340/22-2, 22 Mar 62 (pub. in Byulleten' Izobretenii i Tovarnykh Znakov (USSR) 1963, no. 14, p. 54.)
Also available from CNRS.

TT-65-27230 Field 7B

Taga, G.; Nishi, T.; Miyao, S.
MISE EN PATE A HAUT RENDEMENT AUX POLYSULFURES. I. METHODES DE PREPARATION DE LESSIVES AU POLYSULFURE ET CUISSON ALCALINE DE POLYSULFURES DE SODIUM. 11p.
CNRS-VI 1210.
Order from ETC: $1.60 as TT-65-27230

Trans. in French of Kami Parupu Gijutsu Kyokai-Shi (Japan) v17 n7 p12 1963.
Also available from CNRS.

TT-65-27234 Field 7B

Tarayan, V. M.; Arstamyan, Zh. M.; Shaposhnikova, G. N.
COPRECIPITATION DE FAIBLES QUANTITES DE SELENIUM ET DE TELLURE AVEC L'HYDROXYDE DE FER. I. COPRECIPITATION DE SELENIUM. 14p, 16refs.
CNRS-VII 182.
Order from ETC: $1.60 as TT-65-27234

Trans. in French of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Seriya Khimicheskikh Nauk, v14 n6 p551-9 1961.
Also available from CNRS.

TT-65-27242 Field 7B

Ryszawy, H.; Zygadlo, J.
PROBLEMES DE CONSTRUCTION D'UN REACTEUR POUR LA SYNTHESE DE L'ACIDE CYANHYDRIQUE PAR LA METHODE D'ANDRUSSOW. 12p, 6refs. CNRS-VIIIb 1134.
Order from ETC: $1.60 as TT-65-27242

Trans. in French of Przemysl Chemiczny (Poland) v19 (42) n6 p323-5 1963.
Also available from CNRS.

TT-65-27284 Field 7B

Linde, V. R.; Margolis, L. Ya.; Roginski, S. Z.
INTERACTION DU PROTOTYPE D'AZOTE ET DES SPINELLES COBALT-MANGANESE CONTENANT DES ADDITIONS D'OXYDES DE LITHIUM, DE TITANE ET DE CUIVRE. Org. 30-1.1.17; CNRS-G/R-4413.
Order from CNRS as G/R-4413

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskikh, n1 p21-30 1963.

TT-65-27288 Field 7B

Baron, V. V.; Savitzki, E. M.
STRUCTURE ET COMPOSITION DES ALLIAGES NIOBIUM-ALUMINIUM. Org. 30-10.1.36; CNRS-G/R-4417.
Order from CNRS as G/R-4417

Trans. in French of Zhurnal Neorganicheskoi Khimii (USSR) v6 n1 p181-5 1961.
Other translations are available in English from CFSTI, ETC or SLA $1.10 as TT-61-27832, MCL-1003/1, 14 Jul 61, 10p. and from CFSTI, ETC or SLA $1.10 as TT-62-23135, MDF B-179, 1961, 7p.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27384 Field 7B

Kordyuk, R. A.; Gulko, N. V.
REPRESENTATION TETRAEDRIQUE DU SYSTEME MgO-Al2O3-ZrO2-SiO2. Org. 140-1166-364; CNRS-G/R-4513.
Order from CNRS as G/R-4513

Trans. in French of Akademiya Nauk SSSR. Doklady, v154 n5 p1183-4 1964.

C. Organic chemistry

TT-65-11953 Field 7C

Spirin, Yu. L.; Polyakov, D. K.; Gantmakher, A. R.; Medvedev, S. S.
THE ETHYLLITHIUM INITIATED POLYMERIZATION OF STYRENE, BUTADIENE AND ISOPRENE IN VARIOUS MEDIA. 6p, 8refs.
Order from SLA: $1.10 as TT-65-11953

Trans. of Akademiya Nauk SSSR. Doklady, v139 n4 p899-902 1961.

TT-65-11981 Field 7C

Klug, H.
TETRACHLOROSUCCINIC ACID AND DERIVATIVES. I - III. TETRACHLOROSUCCINIC ACID AND DERIVATIVES BY CHLORINATION OF GAMMA-LACTONES OR GAMMA-LACTAMS. 37p, 30refs.
Order from SLA: $3.60 as TT-65-11981

Trans. of Justus Liebig's Annalen der Chemie (West Germany) v677 n1 p67-83 1964.

TT-65-11984 Field 7C

Ranny, M.; Prachar, J.; Novak, J.
ALKYLOLAMIDES OF A FATTY ACIDS. ANALYSIS OF ALKYLOLAMIDES (CONCLUSION). 11p, 12refs.
Available on loan from SLA: as TT-65-11984

Trans. of Prumysl Potravin (Czechoslovakia) v14 n4 p211-2 1963.

TT-65-11988 Field 7C

Holleman, M. A. F.
STUDIES ON THE SIMULTANEOUS FORMATION OF SUBSTITUTION ISOMERS OF BENZENE. PREPARATION OF VICINAL M-DICHLORONITROBENZENE (Cl.Cl. AzO2-1.3.2). 3p.
Order from SLA: $1.10 as TT-65-11988

Partial trans. (p. 365-370) of Recueil des Travaux Chimiques des Pays-Bas (Netherlands) v23 n6 p357-9 1904.

TT-65-12028 Field 7C

Wagner, A.
2-CHLORO-1, 4-NAPHTHOQUINONE. 2p.
Order from SLA: $1.10 as TT-65-12028

Trans. of Patent (Germany) 1 178 838.
Patent cl C 07c, by Lentia GmbH, filed 10 Apr 63, pub. 1 Oct 64.

TT-65-12036 Field 7C

Luskina, B. M.; Terentev, A. P.; Gradskova, N. A.
ELEMENTAL ORGANIC ANALYSIS BY THE 'WET COMBUSTION' METHOD. PART 8. ANALYSIS OF ORGANIC COMPOUNDS CONTAINING SILICON, PHOSPHORUS, AND ALUMINUM. 7p, 6refs.
Order from SLA: $1.10 as TT-65-12036

Trans. of Zhurnal Analiticheskoi Khimii (USSR) v19 n10 p1251-3 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12038 Field 7C

Koton, M. M.; Kiseleva, T. M.; Arkhipova, I. L.
SYNTHESIS OF METAL-CONTAINING POLYMERS BY REACTIONS IN THE POLY-(METHACRYLIC ACID) CHAIN. 4p, 3refs.
Order from SLA: $1.10 as TT-65-12038

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v6 n8 p1496-7 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12040 Field 7C

Patat, F.; Kollinsky, F.
THE POLYMERIZATION OF PHOSPHONITRILIC CHLORIDE. 32p, 9refs.
Order from SLA: $3.60 as TT-65-12040

Trans. of Makromolekulare Chemie (Switzerland) v6 p292-317 1951.
Another trans. is available from SLA $4.60 as TT-63-18978 43p.

TT-65-12046 Field 7C

Margolis, E. I.; Shevkoplyas, A. G.
SIMULTANEOUS MICRODETERMINATION OF CARBON, HYDROGEN, AND NITROGEN IN NITRO COMPOUNDS. 9p, 10refs.
Order from SLA: $1.10 as TT-65-12046

Trans. of Moscow Univ. Vestnik. Seriya 2: Khimiya (USSR) v15 n1 p73-8 1960.

TT-65-12066 Field 7C

Perekalskii, N. P.; Filatenkov, V. F.
EFFECT OF CARBOXYL GROUPS ON THE PROPERTIES OF CELLULOSE. 22p, 19refs.
Order from SLA: $2.60 as TT-65-12066

Trans. of Zhurnal Prikladnoi Khimii (USSR) v33 n5 p1158-1960.

TT-65-12069 Field 7C

Cutolo, E.; Larizza, A.
SYNTHESIS OF 3-PHOSPHORIC ESTER OF L-ASCORBIC ACID. 12p, 15refs.
Order from SLA: $1.60 as TT-65-12069

Trans. of Gazzetta Chimica Italiana v91 n8/9 p964-72 1961.

TT-65-12095 Field 7C

Monini, A.
POSSIBLE CAUSES OF ODOR IN POLYETHYLENE. 11p, 4refs.
Order from SLA: $1.60 as TT-65-12095

Trans. of il Farmaco; Edizione Pratica (Italy) v19 n1 p52-9 1964.

TT-65-12101 Field 7C

Klages, A.; Sturm, E.; Weniger, J.
BITTER SUBSTANCES FROM THE GROUP OF ARYL-SULFONYL-IMIDE-BENZOIC-ACID-SULFINID. 5p, 4refs.
Order from SLA: $1.10 as TT-65-12101

Trans. of Journal fuer Praktische Chemie (Germany) v116 p163-74 1927.

TT-65-12146 Field 7C

Bolcato, V.; Pasquini, G.
RESEARCH ON LACTO-MANNITIC FERMENTS. VII. THE YIELD OF MANNITOL FROM SOME NATURAL JUICES (BEET, CAROB AND GRAPE). 6p, 5refs.
Order from SLA: $1.10 as TT-65-12146

Trans. of Industria Saccarifera Italiana v32 p408-10 1939. Another trans. is available from SLA $1.10 as TT-64-20022, 7p.

TT-65-12157 Field 7C

Sartori, G.; Valvassori, A.; Faina, S.
ETHYLENE PROPYLENE DICYCLOPENTADIENE TER-POLYMERIZATION. 14p, 12refs.
Order from SLA: $1.60 as TT-65-12157

Trans. of Accademia Nazionale dei Lincei. Atti. Classe di Scienze Fisiche, Matematiche e Naturali. Rendiconti (Italy) v35(68) n6 p565-74 1963.

TT-65-12159 Field 7C

Leonov, M. R.; Maleneva, I. G.
SYNTHESIS OF METHYL CELLOSOLVE FROM ETHYLENE OXIDE AND METHANOL (Sintez Metiltsellozol'va iz Okisi Etilena i Metilovogo Spirta). 6p, (foreign text included) 3refs.
Order from SLA: $1.10 as TT-65-12159

Trans. of Trudy po Khimii i Khimicheskoi Tekhnologii (USSR) v6 n1 p186-7 1963.

TT-65-12196 Field 7C

Yakubovich, A. Ya.; Volkova, E. V.
REACTIONS OF NICKEL CARBONYL WITH MONOALKYL ACETYLENES (O Reaktsiyakh Karbonila Nikelya s Monoalkilatsetilenami). 13p, (foreign text included) 6refs.
Order from SLA: $1.60 as TT-65-12196

Trans. of Akademiya Nauk SSSR. Doklady, v84 n6 p1183-6 1952.

TT-65-12197 Field 7C

Mamedaliev, Yu. G.; Guseinov, M. M.; Treivus, E. M.
PRODUCTION OF CHLORINE-CONTAINING MONOMERS BY THE CONDENSATION OF HEXACHLOROBUTADIENE WITH MALEIC ANHYDRIDE AND MALEIC ACID ESTERS (Poluchenie Khlorsoderzhashikh Monomerov Kondensatsiei Geksakhlorbutadiena s Maleinovym Angidridom i Ego Efirami). 18p, (foreign text included) 3refs.
Order from SLA: $1.60 as TT-65-12197

Trans. of Azerbaidzhanskii Khimicheskii Zhurnal (USSR) n5 p39-43 1963.

TT-65-12200 Field 7C

Renault, J.; Bigot, L.
MICRODETERMINATION OF PRIMARY, LONG-CHAIN ALKYL SULFATES IN THE FORM OF TRIPHENYLTETRAZOLIUM SALTS. PART II: EXTRACTION AND RESULTS. 8p, 7refs.
Order from SLA: $1.10 as TT-65-12200

Trans. of Societe Chimique de France, Bulletin, n9 p2095-7 1964.

TT-65-12201 Field 7C

Renault, J.; Bigot, L.
MICRODETERMINATION OF PRIMARY, LONG-CHAIN ALKYL SULFATES IN THE FORM OF TRIPHENYLTETRA ZOLIUM SALTS. PART I: PHOTOMETRIC STANDARDIZATION. 8p, 7refs.
Order from SLA: $1.10 as TT-65-12201

Trans. of Societe Chimique de France. Bulletin n9 p2093-5 1964.

TT-65-12208 Field 7C

Nesmeyanov, A. N.; Perevalova, E. G.; Golovnya, R. V.; Shilovtseva, L. S.
ARYL-FERROCENE AND FERROCENYL-AMINE. 7p, (figs omitted) 4refs.
Order from SLA: $1.10 as TT-65-12208

Trans. of Akademiya Nauk SSSR. Doklady, v102 n3 p535-8 1955.
Other trans. are available from CFSTI or SLA $1.10 as TT-61-20228, 8p; from K-H $10.00 as K-H-70826, 10p and from SLA $1.10 as TT-64-30121, 10p.

TT-65-12238 Field 7C

Chauvel, A.; Clement, G.; Balaceanu, J. -C.
OXIDATION OF OLEFINS IN LIQUID PHASE. I. CASE OF THE OXIDATION OF 1-BUTENE. 19p, 19refs.
Order from SLA: $1.60 as TT-65-12238

Trans. of Societe Chimique de France. Bulletin, p1774-82 1962.

TT-65-12239 Field 7C

Quinchon, J.
THE DETERMINATION OF THE MODULUS OF SUBSTITUTION IN HYDROXYETHYLCELLULOSES. Memorandum. 3p, 3refs.
Order from SLA: $1.10 as TT-65-12239

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v250 n7 p1258-60 1960 (pub. by Gauthier-Villars et Cie., Paris).

TT-65-12244 Field 7C

Jerchel, D.; Bauer, E.; Hippchen, H.
THE OXIDATION OF ALKYLPYRIDINES WITH SELENIUM DIOXIDE. 8p, 30refs.
Order from SLA: $1.10 as TT-65-12244

Trans. of Chemische Berichte (West Germany) v88 n1 p156-63 1955.

TT-65-12247 Field 7C

Wilke, G.; Mueller, H.
ORGANOMETALLIC COMPOUNDS. XXXIX. REACTIONS OF ORGANOALUMINUM COMPOUNDS WITH ACETYLENE. 17p, 20refs.
Order from SLA: $1.60 as TT-65-12247

Trans. of Justus Liebigs Annalen der Chemie (West Germany) v629 n1/3 p222-40 1960.
Another trans. is available from SLA $2.60 as TT-61-20468, 25p.

TT-65-12248 Field 7C

Bruijn, P. H. de.
SURVEY OF NEW SYNTHESES BY MEANS OF METAL-ALKYLS, ESPECIALLY IN THE POLYMERIZATION OF OLEFINS. 22p, (figs omitted) 41refs.
Order from SLA: $2.60 as TT-65-12248

Trans. of Chemisch Weekblad (Netherlands) v56 n11 p161-72 1960.

TT-65-12250 Field 7C

Vanags, G.
THE 2-NITRO-INDANDIONE-1,3 AND ITS SALTS. 9p, 18refs.
Order from SLA: $1.10 as TT-65-12250

Trans. of Chemische Berichte (Germany) v69 p1066-74 1936.

TT-65-12251 Field 7C

Vanags, G.; Lode, A.
EXPERIMENTS ON NINHYDRIN PREPARATION FROM 2-NITRO-INDANDIONE-1,3. 7p, 12refs.
Order from SLA: $1.10 as TT-65-12251

Trans. of Chemische Berichte (Germany) v71 p1267-72 1938.

TT-65-12259 Field 7C

Kahr, K.
CYCLOHEXAMONE OXIME BY CATALYTIC HYDROGEN PEROXIDE OXIDATION OF CYCLOHEXYLAMINE. 7p, 8refs.
Order from SLA: $1.10 as TT-65-12259

Trans. of Angewandte Chemie (West Germany) v72 n4 p135-7 1960.

TT-65-12260 Field 7C

Theilacker, W.; Wegner, E.
NEW METHODS OF PREPARATIVE ORGANIC CHEMISTRY III. 1. SYNTHESES WITH CHLORAMINE IN ORGANIC CHEMISTRY. 15p, 50refs.
Order from SLA: $1.60 as TT-65-12260

Trans. of Angewandte Chemie (West Germany) v72 n4 p127-31 1960.

TT-65-12266 Field 7C

Plotnikov, Y. N.; Smirnov, V. S.; Timofeeva, E. A.; Kleimenova, V. M.; Shuikin, N. I.
DEHYDROGENATION OF NORMAL ALKANES WITH CATALYSTS WITH BASE OF METALLIC OXIDES IN FLUID BED SYSTEM. 11p, 14refs.
Order from SLA: $1.60 as TT-65-12266

Trans. of la Rivista dei Combustibili (Italy) v16 n10 p423-8 1962.

TT-65-12274 Field 7C

Bier, G.; Hoffmann, W.; Lehmann, G.; Seydel, G.
THE NUMBER OF ACTIVE CENTERS IN THE POLYMERIZATION OF PROPYLENE ON ZIEGLER MIXED CATALYSTS. 16p, 17refs.
Order from SLA: $1.60 as TT-65-12274

Trans. of Makromolekulare Chemie (Switzerland) v58 p1-17 1962.
Another trans. is available from SLA $1.60 as TT-65-12187 (15p).

TT-65-12275 Field 7C

Sommer, P. F.; Sauter, W.; Clerc, J. T.; Simon, W.
AUTORECORDING METHOD FOR THE RAPID DETERMINATION OF CARBON AND HYDROGEN IN ORGANIC COMPOUNDS ON MG. AND SUBMG. SAMPLES WITH APPLICATION OF CATHAROMETERS. 7p, 25refs.
Order from SLA: $1.10 as TT-65-12275

Trans. of Helvetica Chimica Acta (Switzerland) v45 n2 p595-600 1962.
Another trans. is available from SLA $1.10 as TT-63-10399, 7p.

TT-65-12291 Field 7C, 7D

Ciampelli, F.; Bucci, G.; Simonazzi, T.; Santambrogio, A.
ANALYSIS OF ETHYLENE-PROPYLENE COPOLYMERS BY INFRARED SPECTROGRAPHY. 10p, 8refs.
Order from SLA: $1.10 as TT-65-12291

Trans. of la Chimica e l'Industria (Italy) v44 n5 p489-93 1962.
Another trans. is available from CTS(Chem) $9.20 as CTS(Chem)-294, 2300 words.

TT-65-12292 Field 7C

Osthaus, K. H.
THE STEAM PYROLYSIS PROCESS FOR ETHYLENE FORMATION FROM LIQUID HYDROCARBONS. 10p, 18refs.
Order from SLA: $1.10 as TT-65-12292

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v15 n4 p270-4 1962.

TT-65-12293 Field 7C

Chiusoli, G. P.; Bottaccio, G.; Cameroni, A.
REACTIONS OF ALLYLIC DERIVATIVES WITH ACETYLENE AND CARBON MONOXIDE. Note 6 on Effect of Substituents. 11p, 24refs.
Order from SLA: $1.60 as TT-65-12293

Trans. of la Chimica e l'Industria (Italy) v44 n2 p131-5 1962.

TT-65-12300 Field 7C

Milone, M.; Venturello, G.
INVESTIGATIONS ON DIOXIMES (Ricerche sulle Diossime). 11p, (foreign text included) 11refs.
Order from SLA: $1.60 as TT-65-12300

Trans. of Gazzetta Chimica Italiana, v66 p808-12 1936.

TT-65-12306 Field 7C

Hopfinger, A.; Kruzel, J.
PERIODICAL MONOCHLORINATION OF HIGHER PARAFFINIC HYDROCARBONS. 11p, 9refs.
Order from SLA: $1.60 as TT-65-12306

Trans. of Monatshefte fuer Chemie (Austria) v92 n6 p1279-89 1961.

TT-65-12317 Field 7C

Blouri, B.; Laroche, M.; Rumpf, P.
RESEARCH ON THE USE OF 1-ALKENES FOR THE PREPARATION OF COMPOUNDS HAVING A FUNCTIONAL GROUP IN 1 POSITION. 10p, 9refs.
Order from SLA: $1.10 as TT-65-12317

Trans. of Societe Chimique de France. Bulletin, n6 p1240-4 1964.

TT-65-12318 Field 7C

Kolesnikov, I. M.; Mirgaleev, I. G.; Paushkin, Ya. M.
THE ALKYLATION KINETICS OF LIQUID-PHASE BENZENE WITH HEXENE-1. 11p, 11refs.
Order from SLA: $1.60 as TT-65-12318

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v38 n6 p1442-9 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12327 Field 7C, 7A

Kheifits, L. A.; Virezub, S. I.
PREPARATION OF PERFUME MATERIALS FROM DICYCLOPENTADIENE. 4p.
Order from SLA: $1.10 as TT-65-12327

Trans. of Zhurnal Obshchei Khimii (USSR) v34 n6 p2081-4 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12362 Field 7C

Kuhn, R.; Gauhe, A.; Baer, H. H.
CONCERNING LACTO-N-TETRAOSE AND ITS RELATION TO THE FUCOSE-CONTAINING OLIGOSACCHARIDES FROM HUMAN MILK (Ueber die Lacte-N-Tetrose and ihre Beziehungen zu den Fucose-Haltigen Oligosacchariden der Frauenmilich). 25p, 36refs.
Order from SLA: $2.60 as TT-65-12362

Trans. of Chemische Berichte (West Germany) v87 n3 p289-300 1954.

TT-65-12383 Field 7C

Manulkin, Z. M.
ON THE QUESTION CONCERNING CLEAVAGE OF RADICALS IN ORGANOMETALLIC COMPOUNDS OF GROUP IV METALS. VI. CLEAVAGE OF RADICALS ATTACKED BY THE ACTION OF ALUMINUM CHLORIDE AND FERRIC CHLORIDE ON R4Me FORMS, WHERE Me = Si, Sn, Pb. 16p, 22refs.
Order from SLA: $1.60 as TT-65-12383

Trans. of Zhurnal Obshchei Khimii (USSR) v18 n2 p299-305 1948.

TT-65-12386 Field 7C

Bochvar, D. A.; Vinogradova, E. I.; Shvetsov, Yu. B.; Shemyakin, M. M.
RESEARCHES IN THE FIELD OF FUSED QUINOID STRUCTURES. II. INTERACTION OF SOME BISULFITE DERIVATIVES OF p-NAPHTHAQUINONES WITH SUBSTITUTED AMINES. 21p, 10refs.
Order from SLA: $2.60 as TT-65-12386

Trans. of Zhurnal Obshchei Khimii (USSR) v18 n1 p87-97 1948.

TT-65-12393 Field 7C

Meyer, K. H.; Baldin, G.
CONCERNING THE CONSTITUTION OF CHONDROITIN-SULFURIC ACID (Sur la Constitution de l'Acide Chondroitine-Sulfurique). 17p, 14refs.
Order from SLA: $1.60 as TT-65-12393

Trans. of Helvetica Chimica Acta (Switzerland) v36 n3 p597-605 1953.

TT-65-12408 Field 7C

Guseva, A. N.; Parnov, E. I.
SOLUBILITY OF CYCLOHEXANE IN WATER. 4p, 5refs.
Order from SLA: $1.10 as TT-65-12408

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v37 n12 p2763 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12409 Field 7C

Fischer, E. O.; Stoelzle, G.
EARTHALKALINE DI-CYCLOPENTADIENYLS OF CALCIUM, STRONTIUM AND BARIUM. 6p, 9refs.
Order from SLA: $1.10 as TT-65-12409

Trans. of Chemische Berichte (West Germany) v94 n8 p2187-93 1961.

TT-65-12414 Field 7C

Martin, H.; Vohwinkel, F.
ON AROMATIC COMPLEXES WITH TITANIUM-ALUMINUM CHLORIDES. 13p, 27refs.
Order from SLA: $1.60 as TT-65-12414

Trans. of Chemische Berichte (West Germany) v94 n9 p2416-29 1961.
Other trans. are available from SLA $2.60 as TT-62-14298, 27p. and from ATS $19.95 as ATS-28P60G, 14p.

TT-65-12420 Field 7C

Haaf, W.; Koch, H.
SYNTHESIS OF CARBOXYLIC ACIDS FROM PARAFFINS THROUGH HYDRIDE TRANSFER. 13p, 15refs.
Order from SLA: $1.60 as TT-65-12420

Trans. of Justus Liebigs Annalen der Chemie (West Germany) v638 n1-3 p122-35 1960.
Another trans. is available from ATS $19.50 as ATS-58Q67G, 15p.

TT-65-12424 Field 7C

Audrieth, L. F.
NEW DEVELOPMENTS IN THE FIELD OF HYDRAZINE CHEMISTRY. 13p, 38refs.
Order from SLA: $1.60 as TT-65-12424

Trans. of Oesterreichische Chemiker-Zeitung (Austria) v58 n1/2 p2-8 1957.

TT-65-12432 Field 7C

Vladeanu, A.
EXTRACTIVE CRYSTALLIZATION WITH UREA FOR PAIRS OF PETROLEUM PRODUCTS. 17p, 19refs.
Order from SLA: $1.60 as TT-65-12432

Trans. of Petrol si Gaze (Rumania) v10 n1 p28-36 1959.

TT-65-12439 Field 7C

Buechi, G.; Jeger, O.
ON SOME COMPOUNDS WITH THE CARBON STRUCTURE OF THE BICYCLO-15,5,01-DODECANE. 7p, 6refs.
Order from SLA: $1.10 as TT-65-12439

Trans. of Helvetica Chimica Acta (Switzerland) v32 n2 p538-44 1949.

TT-65-12445 Field 7C

Rohmer, M.
FOR THE DETERMINATION OF METHYL GROUPS IN POLYETHYLENE. 6p, 1ref.
Order from SLA: $1.10 as TT-65-12445

Trans. of Zeitschrift fuer Analytische Chemie (West Germany) v170 n1 p147-51 1959.

TT-65-12446 Field 7C

Guenzler, H.
THE DETERMINATION OF THE METHYL GROUP CONTENT IN POLYETHYLENE. 3p, 4refs.
Order from SLA: $1.10 as TT-65-12446

Trans. of Zeitschrift fuer Analytische Chemie (West Germany) v170 n1 p152-4 1959.

TT-65-12453 Field 7C

Semenenko, E. I.; Roginskii, S. Z.; Yanovskii, M. I.
STUDYING OF THE CATALYTIC DEHYDROGENATION OF n-BUTYLENES IN IMPULSIVE COURSE. 9p, 10refs.
Order from SLA: $1.10 as TT-65-12453

Trans. of Kinetika i Kataliz (USSR) v5 n3 p490-5 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12454 Field 7C

Liu, Chung-hui.; Roginskii, S. Z.; Samsonov, G. V.; Yanovskii, M. I.
THE DEHYDROGENATION OF n-BUTANE TO BUTENES AND BUTADIENE-1,3 UPON CERTAIN CHROMIUM CARBIDES. 8p, 6refs.
Order from SLA: $1.10 as TT-65-12454

Trans. of Neftekhimiya (USSR) v3 n6 p845-9 1963.

TT-65-12458 Field 7C

Skibida, I. P.; Maizus, Z. K.; Emanuel, N. M.
REACTIVITY OF THE INTERMEDIATE SUBSTANCES IN HYDROCARBON OXIDATION REACTIONS. 10p, 8refs.
Order from SLA: $1.10 as TT-65-12458

Trans. of Neftekhimiya (USSR) v4 n1 p82-90 1964.

TT-65-12460 Field 7C

Denisov, E. T.; Denisova, L. N.
THE OXIDATION MECHANISM OF CYCLOHEXANONE. 4p, 2refs.
Order from SLA: $1.10 as TT-65-12460

Trans. of Akademiya Nauk SSSR, Izvestiya. Seriya Khimicheskaya, n6 p1108-10 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12462 Field 7C

Ziegler, K.; Krupp, F.; Weyer, K.; Larbig, W.
ORGANOMETALLIC COMPOUNDS. XLI. REACTIONS OF ALUMINUM TRIALKYLS WITH CARBON DIOXIDE AND SULFUR DIOXIDE. 3p, 8refs.
Order from SLA: $1.10 as TT-65-12462

Trans. of Justus Liebigs Annalen der Chemie (West Germany) v629 n1/3 p251-4 1960.
Other trans. are available from SLA $1.10 as TT-61-20463, 10p and from K-H $10.00 as K-H-10024-18, 10p.

TT-65-12463 Field 7C

Ziegler, K.; Gellert, H. G.; Lehmkuhl, H.; Pfohl, W.; Zosel, K.
ORGANOMETALLIC COMPOUNDS. XXVI. ALUMINUM TRIALKYLS AND DIALKYLALUMINUM HYDRIDES FROM OLEFINS, HYDROGEN, AND ALUMINUM. 7p, 29refs.
Order from SLA: $1.10 as TT-65-12463

Trans. of Justus Liebig's Annalen der Chemie (West Germany) v629 p1-13 1960.
Other trans. are available from SLA $2.60 as TT-61-20449, 26p.; on loan from SLA as TT-64-30976, 13p. and from K-H $26.00 as K-H-10024-11, 26p.

TT-65-12464 Field 7C

Ziegler, K.; Gellert, H. G.; Holzkamp, E.; Wilke, G.; Duck, E. W.
ORGANOMETALLIC COMPOUNDS. XXXVI. SYNTHESIS

OF STRAIGHT CHAIN ALPHA -OLEFINS FROM ETHYLENE. 13p, 13refs.
Order from SLA: $1.60 as TT-65-12464

Trans. of Justus Liebigs Annalen der Chemie (West Germany) v629 p172-98 1960.
Other trans. are available from SLA $4.60 as TT-65-12260, 43p; $4.60 as TT-61-20460 as 42p and from K-H $42.00 as K-H-10024-1, 42p.

TT-65-12465 Field 7C

Ziegler, K.; Gellert, H. G.; Zosel, K.; Holzkamp, E.; Schneider, J.
ORGANOMETALLIC COMPOUNDS. XXXIV. REACTIONS OF THE ALUMINUM CARBON BOND WITH OLEFINS. 24p, 33refs.
Order from SLA: $2.60 as TT-65-12465

Trans. of Justus Liebigs Annalen der Chemie (West Germany) v629 p121-66 1960.
Other trans. are available from SLA $7.60 as TT-65-11264, 75p; $7.60 as TT-61-20458, 74p and K-H $74.00 as K-H-10024-2, 74p.

TT-65-12467 Field 7C

Natta, G.; Pasquon, I.; Corradini, P.; Peraldo, M.; Pegoraro, M.
LINEAR HIGH POLYMERS OF PROPYLENE HAVING SYNDIOTACTIC STRUCTURE. 7p, 7refs.
Order from SLA: $1.10 as TT-65-12467

Trans. of Accademia Nazionale dei Lincei. Classe di Scienze Fisiche, Matematiche e Naturali. Rendiconti (Italy) v28(s8) p539-44 1960.
Other trans. are available from CTS (Chem) $6.80 as CTS (Chem)-258 and from ATS $8.00 as ATS-72P59I.

TT-65-12474 Field 7C

Graf, R.
THE REACTION MECHANISM OF SULFOXIDATION. 31p, 29refs.
Order from SLA: $3.60 as TT-65-12474

Trans. of Justus Liebigs Annalen der Chemie (West Germany) v578 p50-82 1952.
Another trans. is available from SLA $6.60 as TT-63-18685, 65p.

TT-65-12482 Field 7C

Scipioni, A.
THE OXIDATION OF PARAFFIN TO NEUTRAL PRODUCTS. NOTE I. 11p, 12refs.
Order from SLA: $1.60 as TT-65-12482

Trans. of Annali di Chimica (Italy) v39 n6-7 p311-20 1949.

TT-65-27190 Field 7C

Karapetyan, Sh. A.; Englin, B. A.; Freidlina, R. Kh.
CONSTANTES DE TRANSFERT DE LA CHAINE DANS LA TELOMERISATION DE L'ETHYLENE PAR LE TETRACHLORURE DE CARBONE (Konstanty Peredachi Tsepi v Reaktsii Telomerizatsii Etilena Chetyrekhkhloristym Uglerodom). 11p, (foreign text included) 8refs.
CNRS-VIII 256.
Order from ETC: $1.60 as TT-65-27190

Trans. in French of Akadekiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n7 p1346-8 1963.
Also available from CNRS.

TT-65-27191 Field 7C

Sumarokov, V. P.; Volodutskaya, Z. M.
ESTERIFICATION COMPLEXE DES ACIDES DU TALL OIL PAR L'ALCOOL BUTYLIQUE NORMAL (Kompleksnaya Eterifikatsiya Kislot Tallovogo Masla n. Butilovym Spirtom). 12p, (foreign text included) 5refs. CNRS-VIII 257.
Order from ETC: $1.60 as TT-65-27191

Trans. in French of Gidroliznaya i Lesokhimicheskaya Promyshlennost (USSR) v16 n4 p7-9 1963.

TT-65-27215 Field 7C

Yakerson, V. I.
MECANISME DE LA DECOMPOSITION THERMIQUE DESSELS D'ACIDES CARBOXYLIQUES. 15p, 28refs. CNRS-VIII bis 1116.
Order from ETC: $1.60 as TT-65-27215

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskikh, n6 p1003-11 1963.
Also available from CNRS.

TT-65-27218 Field 7C

Novikova, K. F.; Basargin, N. N.; Tsyganova, M. F.
MICRODOSAGE DU SOUFRE DANS LES SUBSTANCES ORGANIQUES AVEC UN NOUVEL INDICATEUR, DE TITRAGE DES IONS SO4: LE CARBOXYARSENAZO. 9p, 16refs. CNRS-XLV138.
Order from ETC: $1.10 as TT-65-27218

Trans. in French of Zhurnal Analiticheskoi Khimii (USSR) v16 n3 p348-51 1961.
Also available from CNRS.
See also 'Translated or Abstracted Publications,' in TT, Vol. 14, No. 2.

TT-65-27243 Field 7C

Pac, J.; Mejzlik, J.; Vesely, K.
DEPOLYMERISATION ANIONIQUE DU FORMALDEHYDE. 11p. CNRS-VIIIb 1136.
Order from ETC: $1.60 as TT-65-27243

Trans. in French of Chemicky Prumysl (Czechoslovakia) v12(37) n10 p575-8 1962.
Also available from CNRS.

TT-65-27244 Field 7C

Tichy, J.; Jiru, P.
APPAREIL DE MESURE DE LA VITESSE D'OXYDATION CATALYTIQUE DU METHANOL EN FORMALDEHYDE. 13p. CNRS-VIIIb 1137.
Order from ETC: $1.60 as TT-65-27244

Trans. in French of Chemicke Listy (Czechoslovakia) v58 n4 p460-4 1964.
Also available from CNRS.

TT-65-27289 Field 7C

Peregud, E. A.; Boikina, B. S.
MICRO-DOSAGE DU FLUOR ELEMENTAIRE.

Org. 30-8b.1.1; CNRS-G/R-4418.
Order from CNRS: as G/R-4418

Trans. in French of Zhurnal Analiticheskoi Khimii (USSR) v12 n4 p513-5 1957.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Another trans. is available in English from CFSTI, ETC or SLA $1.10 as TT-62-14207, 1962, 5p.

TT-65-27392 Field 7C

Telegin, V. G.; Siborov, V. A.; Zharkova, D. R.; Biryukova, L. M.; Tokareva, A. A.
PREPARATION DES VINYLTOLUENES INDIVIDUELS.
Org. 144-N.2448/T.276; CNRS-G/R-4521.
Order from CNRS as G/R-4521

Trans. in French of Khimiya i Tekhnologiya Topliv i Masel (USSR) v9 n4 p3-6 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27393 Field 7C

Rudenko, A. P.; Rodicheva, M. F.; Leontev, E. A.; Lukina, T. V.
LA MACROMECANISME DE FORMATION DE CARBONE, AU COURS DE LA DECOMPOSITION DU BENZENE, EN PRESENCE DE NOIR DE FUMEE COMPRIME.
Org. 144-N.2449/T.279; CNRS-G/R-4522.
Order from CNRS as G/R-4522

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v38 n3 p616-22 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27447 Field 7C

Wu, Jing-Xiang.
METHODE RAPIDE DE MICRODETERMINATION DU GROUPE METHOXYLE. Org. 178-386; CNRS-G/X-1576.
Order from CNRS as GX-1576

Trans. in French of Hua Hsueh Hsueh Pao (Chinese People's Republic) v29 n1 p54-7 1963.

D. Physical chemistry

TT-65-12000 Field 7D

Roubal, J.; Zdrazil, J.
THE POLAROGRAPHIC DETERMINATION OF PHENOL IN WATER AND URINE. 4p, (figs omitted).
Order from SLA: $1.10 as TT-65-12000

Trans. of Pracovni Lekarstvi (Czechoslovakia) v2 p187-9 1950.

TT-65-12011 Field 7D

Briner, E.; Hoefer, H.
RESEARCH ON THE CHEMICAL ACTION OF ELECTRICAL DISCHARGES. XXVIII. ACTION OF THE ELECTRICAL ARC OF HIGH AND LOW FREQUENCY, ON THE NITROGEN-VAPOR AND AIR-WATER VAPOR SYSTEMS. 13p, 18refs.
Order from SLA: $1.60 as TT-65-12011

Trans. of Helvetica Chimica Acta (Switzerland) v25 p530-8 1942.

TT-65-12133 Field 7D

Simonova, M. V.; Rotinyan, A. L.
MECHANISM OF THE PROCESS OF CATHODIC COBALT DEPOSITION. 1p.
Order from SLA: $1.10 as TT-65-12133

Trans. of summary of Zhurnal Prikladnoi Khimii (USSR) v37 n9 p1951-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12160 Field 7D

Araki, S.; Takayama, Y.
MASS SPECTRA OF METHYL-METHACRYLATE, a-HYDROXY-ISOBUTYRIC ACID METHYL, AND METHACRYLIC ACID. 12p, (foreign text included) 3refs.
Order from SLA: $1.60 as TT-65-12160

Trans. of Kogyo Kagaku Zasshi (Japan) v57 n10 p775-7 1954.

TT-65-12168 Field 7D

Kissin, Yu. V.; Belov, G. P.; Eremina, I. V.; Velichenkova, E. A.; Tsvetkova, V. I.
SPECTROSCOPIC CRITERION OF THE ISOTACTICITY OF POLYPROPYLENE. 2p.
Order from SLA: $1.10 as TT-65-12168

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v5 n7 p1117 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12180 Field 7D

ELECTRODE. PROCESS FOR THE PREPARATION OF ALLOYS FROM WHICH THIS ELECTRODE CAN BE MANUFACTURED AS WELL AS THE ELECTRODE SO PRODUCED (Elektrode, Werkwijze ter Bereiding van Alliages, Waaruit men deze Elektrode mede kan Vervaardigen, Alsmede de Aldus Vervaardigde Elektrode). 35p, (foreign text included).
Order from SLA: $3.60 as TT-65-12180

Trans. of Patent (Netherlands) 247 771.
Patent Class 12 h 2 b, 40 c 3, 48 a 25, 48 a 4, 40 b 2 a and 40 b 20 b, internat'l cl B 01 k, C 22 d, C 23 f, C 23 b and C 2₄ c, by Imperial Chemical Industries Ltd., London, filed 27 Jan 60. Improvement to Dutch patent 249,673 (Priority: Gt. Brit., 28 Jan 59 and 1 June 59).

TT-65-12186 Field 7D

Kuta, J.; Smoler, I.
INSTANTANEOUS POLAROGRAPHIC CURRENTS. IV. ANODIC AMALGAM DISSOLUTION. 16p, 37refs.
Order from SLA: $1.60 as TT-65-12186

Trans. of Collection of Czechoslovak Chemical Communications, v28 p2874-85 1963.

TT-65-12187 Field 7D

Bier, G.; Hoffman, W.; Lehmann, G.; Seydel, G.
THE NUMBER OF ACTIVE CENTERS IN THE POLYMERIZATION OF PROPYLENE ON MIXED ZIEGLER CATALYSTS. 15p, 18refs.
Order from SLA: $1.60 as TT-65-12187

Trans. of Makromolekulare Chemie (Switzerland) v58 p1-17 1962.
Another trans. is available from SLA $1.60 as TT-65-12274 (16p).

TT-65-12188 Field 7D

Elenkova, N.
POLAROGRAPHIC INVESTIGATION OF METAL-CONTAINING COMPLEX COMPOUNDS. II. DETERMINATION OF THE STABILITY AND THE DISSOCIATION-RATE CONSTANT OF A COMPLEX BY MEASURING THE CHANGES OF POLAROGRAPHIC CURRENTS OF FREE METAL IONS. 6p, 5refs.
Order from SLA: $1.10 as TT-65-12188

Trans. of Khimiko-Tekhnologicheski Institut, Sofia. Godishnik (Bulgaria) v8 n2 p11-5 1961.

TT-65-12189 Field 7D

Elenkova, N.
POLAROGRAPHIC INVESTIGATION OF METAL-CONTAINING COMPLEX COMPOUNDS. I. INVESTIGATION OF THE STABILITY AND THE KINETICS OF FORMATION OF COMPLEXES BY DETERMINING BOTH THE KINETIC CURRENT AND THE DIFFUSION CURRENT. 1'p, 13refs.
Order from SLA: $1.60 as TT-65-12189

Trans. of Khimiko-Tekhnologicheski Institut, Sofia. Godishnik (Bulgaria) v8 n2 p1-10 1961.

TT-65-12203 Field 7D

Vicek, A. A.
REACTION KINETICS OF THE DECOMPOSITION OF COBALT CARBONYL IN ETHANOL SOLUTIONS. 10p, 10refs.
Order from SLA: $1.10 as TT-65-12203

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v298 n5/6 p270-8 1959.

TT-65-12212 Field 7D

Wauquier, J. P.; Jungers, J. C.
QUANTITATIVE KINETICS IN HETEROGENEOUS CATALYSIS. THE INFLUENCE OF THE MEDIUM ON THE ACTIVITY AND THE SELECTIVITY OF THE CATALYST. 23p, 9refs.
Order from SLA: $2.60 as TT-65-12212

Trans. of Societe Chimique de France. Bulletin, n10 p1280-8 1957.

TT-65-12220 Field 7D

Saupe, A.
NUCLEAR RESONANCE IN CRYSTAL LIQUIDS AND IN CRYSTALLINE LIQUID SOLUTIONS. PART I. 33p, 16refs.
Order from SLA: $3.60 as TT-65-12220

Trans. of Zeitschrift fuer Naturforschung (West Germany) v19a n2 p161-71 1964.

TT-65-12242 Field 7D

Pahl, M.; Weimer, U.
FLOW DISCHARGE MASS SPECTROMETRY. 26p, 24refs.
Order from SLA: $2.60 as TT-65-12242

Trans. of Zeitschrift fuer Naturforschung (West Germany) v13a n9 p745-53 1958.
Another trans. is available from SLA mi$2.40, ph$3.30 as TT-61-10537, 18p.

TT-65-12258 Field 7D

Englert, G.; Saupe, A.
HIGH RESOLUTION PROTON RESONANCE SPECTRA WITH DIRECT MAGNETIC DIPOLE-DIPOLE INTERACTION. PART 2. 17p, 3refs.
Order from SLA: $1.60 as TT-65-12258

Trans. of Zeitschrift fuer Naturforschung (West Germany) v19a n2 p172-7 1964.

TT-65-12280 Field 7D

Bodnevas, A. I.; Matulis, Yu. Yu.
INTERNAL STRESSES IN ELECTROLYTIC COBALT DEPOSITS. 2. EFFECTS OF ADDITIONS ON INTERNAL STRESSES. 6p.
Order from SLA: $1.10 as TT-65-12280

Trans. in manuscript of Akademiya Nauk Litovskoi SSR, Vilna. Trudy. Seriya B n2 (23) p9 (sic) 1963.

TT-65-12284 Field 7D

Hui, J.; Meroc, J. -F.; Boulle, A.
STUDY ON THE SOLID PHASES, FORMED DURING CATALYTIC DECOMPOSITION OF CARBON MONOXIDE IN THE PRESENCE OF IRON. 3p, 3refs.
Order from SLA: $1.10 as TT-65-12284

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v254 n18 p3216-8 1962 (pub. by Gauthier-Villars et Cie., Paris).

TT-65-12298 Field 7D

Murgulescu, I. G.; Schneider, I. A.
THERMAL DECOMPOSITION OF METHANE. 13p, 30refs.
Order from SLA: $1.60 as TT-65-12298

Trans. of Zeitschrift fuer Physikalische Chemie, Leipzig (East Germany) v218 n5/6 p338-53 1961.

TT-65-12312 Field 7D

Wolf, S.
IMPROVED POTENTIOMETRIC METHOD FOR DETERMINATION OF THE ACID NUMBERS (TAN AND SAN) IN PETROLEUM PRODUCTS. 10p, 15refs.
Order from SLA: $1.10 as TT-65-12312

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v15 n1 p27-31 1962.

TT-65-12313 Field 7D

Mars, P.; Zwietering, P.
POISONING OF THE CATALYSTS. 25p, 48refs.
Order from SLA: $2.60 as TT-65-12313

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v16 n11 p1307-29 1961.

TT-65-12315 Field 7D

Naccache, C.; Imelik, B.
STUDY ON THE DEHYDRATION OF GELS OF SILICA. 11p, (1 table omitted) 18refs.
Order from SLA: $1.60 as TT-65-12315

Trans. of Societe Chimique de France. Bulletin, n3 p553-8 1961.

TT-65-12336 Field 7D

Karpachev, S. V.; Stromberg, A. G.; Podchainova, V. N.
VISCOSITY AND ELECTRICAL CONDUCTIVITY IN THE POTASSIUM CHLORIDE-LITHIUM CHLORIDE SYSTEM OF FUSED SALTS. 22p, 9refs.
Order from SLA: $2.60 as TT-65-12336

Trans. of Zhurnal Obshchei Khimii (USSR) v5 p1517-26 1935.
Other trans. are available from CFSTI, SLA or ETC $1.60 as TT-63-20746, 18p; from SLA as RT-775, 18p and from K-H $10.80 as K-H-2867-i, 18p.

TT-65-12343 Field 7D

Robert, L.
HEAT OF IMMERSION OF CARBON BLACKS IN ORGANIC LIQUIDS. 14p, 5refs.
Order from SLA: $1.60 as TT-65-12343

Trans. of Revue Generale du Caoutchouc (France) v41 n3 p371-75 1964.

TT-65-12344 Field 7D

Riess, G.; Donnet, J. B.
THE RADICAL NATURE OF CARBON BLACKS. 16p, 13refs.
Order from SLA: $1.60 as TT-65-12344

Trans. of Revue Generale du Caoutchouc (France) v41 n3 p429-33 1964.

TT-65-12390 Field 7D

Shtern, V.; Pollyak, S.
POLAROGRAPHIC ANALYSIS OF MIXTURES OF ALDEHYDES AND PEROXIDES. 25p, 10refs.
Order from SLA: $2.60 as TT-65-12390

Trans. of Zhurnal Obshchei Khimii (USSR) v10 p21-30 1940.

TT-65-12392 Field 7D

Dumanskii, A. V.; Voitsekhovskii, R. V.
METHODS OF DETERMINATION OF THE HYDROPHILIC NATURE OF DISPERSED SYSTEMS. 22p, 16refs.
Order from SLA: $2.60 as TT-65-12392

Trans. of Kolloidnyi Zhurnal (USSR) v10 n6 p413-22 1948.

TT-65-12397 Field 7D

Chernenko, A. A.
A CONTRIBUTION TO THE THEORY OF PASSAGE OF DIRECT CURRENT THRU BINARY ELECTROLYTE SOLUTIONS. 7p, 5refs.
Order from SLA: $1.10 as TT-65-12397

Trans. of Akademiya Nauk SSSR. Doklady, v153 n5 p1129-31 1963.

TT-65-12415 Field 7D

Schildknecht, H.; Vetter, H.
COLUMN-CRYSTALLIZATION. Paper presented at the Gordon Research Conference on Separation and Purification New London, 28 July 60. 9p, 8refs.
Order from SLA: $1.10 as TT-65-12415

Trans. of Angewandte Chemie (West Germany) v73 n17/18 p612-5 1961.
Another trans. is available from SLA $1.60 as TT-62-10958, 11p.

TT-65-12417 Field 7D

Bayer, E.; Hupe, K. P.; Witsch, H. G.
PREPARATIVE CHROMATOGRAPHY. 12p, 20refs.
Order from SLA: $1.60 as TT-65-12417

Trans. of Angewandte Chemie (West Germany) v73 n15 p525-30 1961.
Another trans. is available from SLA $1.60 as TT-62-10464, 15p.

TT-65-12419 Field 7D

Halasz, I.; Wegner, E. E.
LIQUID COVERED ACTIVE ALUMINUM OXIDE AS STATIONARY PHASE IN THE GAS CHROMATOGRAPHIC SEPARATION OF LIGHT BOILING HYDROCARBONS. 15p, 25refs.
Order from SLA: $1.60 as TT-65-12419

Trans. of Brennstoff-Chemie (West Germany) v42 n8 p261-7 1961.

TT-65-12422 Field 7D

Durandet, J.; Gladel, Y. L.
TEMPERATURE EFFECT ON THE LIQUID-LIQUID EQUILIBRIA IN THE SYSTEM ANILINE-n-HEPTANE-TOLUENE. 16p, 8refs.
Order from SLA: $1.60 as TT-65-12422

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v9 n6 p296-307 1954.

TT-65-12423 Field 7D

Arkel, A. E. Van.
THE DIPOLE MOMENT AND THE PHYSICO-CHEMICAL PROPERTIES. PART V. 5p, 5refs.
Order from SLA: $1.10 as TT-65-12423

Trans. of Chemisch Weekblad (Netherlands) v31 p490-2 1934.

TT-65-12428 Field 7D

Koennecke, H. G.; Schuhler, C.; Hahn, P.
KINETICS OF THE REACTION OF ALKANES AND CHLOROALKANES DURING THERMAL CHLORINATION. 11p, 6refs.
Order from SLA: $1.60 as TT-65-12428

Trans. of Journal fuer Praktische Chemie (East Germany) v14(s4) n4-6 p269-80 1961.

TT-65-12433 Field 7D

Boreskov, G. K.; Bukanaeva, F. M.; Dzisko, V. A.; Kazanskii, V. B.; Pecherskaya, Yu. I.
ESR SPECTRA OF SUPPORTED CHROMIUM OXIDE CATALYSTS FOR ETHYLENE POLYMERIZATION AND THE NATURE OF THEIR ACTIVITY. 9p, 12refs.
Order from SLA: $1.10 as TT-65-12433

Trans. of Kinetika i Kataliz (USSR) v5 n3 p434-40 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12434 Field 7D

Gladel, Y. I.; Lablaude, Ph.
LIQUID-LIQUID EQUILIBRIUM AT 20 C. PROPYLENE CARBONATE-n-HEPTANE-TOLUENE. 8p, 7refs.
Order from SLA: $1.10 as TT-65-12434

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v12 n12 p1236-40 1957.

TT-65-12438 Field 7D

Torkar, K.
INVESTIGATION ON ALLUMINUM HYDROXIDES AND OXIDES. PART I. PREPARATION OF THE PUREST ALUMINUM HYDROXIDES THROUGH ELECTROLYSIS. 5p, 16refs.
Order from SLA: $1.10 as TT-65-12438

Trans. of Monatshefte fuer Chemie (Austria) v91 n3 p400-5 1960.

TT-65-12441 Field 7D

Rienaecker, G.
CONTRIBUTION TO THE KNOWLEDGE OF THE CATALYTIC PROPERTIES OF MIXED OXIDE CATALYSTS. 11p, 33refs.
Order from SLA: $1.60 as TT-65-12441

Trans. of Chemische Technik (East Germany) v11 n5 p246-50 1959.
Another trans. is available from SLA $1.60 as TT-61-10405, 18p.

TT-65-12448 Field 7D

Simonetta, M.
PHYSICAL CHEMISTRY IN PETROCHEMISTRY. 10p.
Order from SLA: $1.10 as TT-65-12448

Trans. of la Chimica e l'Industria (Italy) v43 n7 p744-9 1961.

TT-65-12451 Field 7D

Kargin, V. A.; Konstantinopolskaya, M. B.; Berestneva, Z. Ya.
STUDY ON SOLID SURFACE WETTABILITY BY POLYMERS. 6p, 1ref.
Order from SLA: $1.10 as TT-65-12451

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v1 n7 p1074-6 1959.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Another trans. is available from CFSTI or SLA $1.10 as TT-61-27473, 9p.

TT-65-12469 Field 7D

Lipinski, A. V.
FORMATION OF HYDROCYANIC ACID IN ELECTRIC HIGH-VOLTAGE ARCS. 4p, 3refs.
Order from SLA: $1.10 as TT-65-12469

Trans. of Zeitschrift fuer Elektrochemie (Germany) v17 p761-4 1911.

TT-65-12471 Field 7D

Donnet, J. B.; Hueber, F.; Perol, N.; Jaeger, J.
PHYSICAL STUDY OF OXIDANT ACTIONS ON CARBON-BLACK. 14p, 14refs.
Order from SLA: $1.60 as TT-65-12471

Trans. of Journal de Chimie Physique (France) v60 n3 p426-34 1963.

TT-65-12475 Field 7D

Heydtmann, H.; Rinck, G.
THE KINETICS OF THE THERMAL DECOMPOSITION OF 2-CHLOROBUTANE IN THE GAS PHASE. II. 7p, 5refs.
Order from SLA: $1.10 as TT-65-12475

Trans. of Zeitschrift fuer Physikalische Chemie Frankfurt (West Germany) v36(NF) n1/2 p75-81 1963.

TT-65-12477 Field 7D

Widmer, H.; Gaeumann, T.
ON A COMBINATION OF GAS-CHROMATOGRAPH WITH MASS-SPECTROGRAPH. 11p, 15refs.
Order from SLA: $1.60 as TT-65-12477

Trans. of Helvetica Chimica Acta (Switzerland) v45 n6 p2175-85 1962.

TT-65-12479 Field 7D

Muenster, A.
THE SOLUBILITY OF HIGH POLYMER FILAMENTARY MOLECULES. 20p, (2 refs omitted) 21refs.
Order from SLA: $1.60 as TT-65-12479

Trans. of Journal of Polymer Science (U. S.) v5 n3 p333-53 1950.

TT-65-12480 Field 7D

Fraissard, J.; Solomon, I.; Caillat, R.; Elston, J.; Imelik, B.
APPLICATION OF THE NUCLEAR MAGNETIC RESONANCE TO THE STUDY ON COMPOSITION WATER OF SILICA GELS. 13p, 19refs.
Order from SLA: $1.60 as TT-65-12480

Trans. of Journal de Chimie Physique (France) v60 n5 p676-83 1963.

TT-65-12481 Field 7D, 20M

Vukalovich, M. P.; Masalov, Ya. F.
EXPERIMENTAL INVESTIGATION OF THE ENTHALPY OF CARBON DIOXIDE AT TEMPERATURES OF UP TO 500C AND PRESSURES OF UP TO 100 BARS (Eksperimental'noe Issledovanie Ental' pii Dvuokisi Ugleroda pri Temperaturakh do 500C i Davleniyakh). 6p, 6refs.
Order from SLA: $1.10 as TT-65-12481

Trans. of Teploenergetika (USSR) v11 n7 p75-7 1964.

TT-65-27189 Field 7D

Barta, R.; Bruthans, Z.
CONTROLE PAR ANALYSE THERMIQUE DIFFERENTIELLE DE L'ACTION DU BROYAGE SUR LA STRUCTURE DES SUBSTANCES CRISTALLINES (DTA Vizsgalatok Kristalyos Anyagok Orles-Okozta Szerkezeti Valtozasaival Kapcsolatban). 23p, (foreign text included) 17refs. CNRS-VI 1206.
Order from ETC: $2.60 as TT-65-27189

Trans. in French of Epitoanyag (Hungary) n4 p113-9 1963.
Also available from CNRS.

TT-65-27193 Field 7D

Sklyarenko, S. I.; Sakharov, B. A.
PREPARATION DE L'HYDROXYDE DE LITHIUM (LITHINE) PAR ELECTROLYSE D'UNE SOLUTION DE CHLORURE (Poluchenie Gidrata Okisi Litiya Elektrolizom Rastvora Khloristogo Litiya). 39p, (foreign text included) 22refs. CNRS-VIIIb 1117.
Order from ETC: $3.60 as TT-65-27193

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) v20 n5 p406-21 1947.
Also available from CNRS.

TT-65-27194 Field 7D

Kuzmin, L. L.; Poroikova, V. S.
SURTENSION DE L'HYDROGENE SUR LE FER POREUX (Perenapryazhenie Vodoroda na Poristom Zheleze). 16p, (foreign text included) 6refs. CNRS-VIIIb 1118.
Order from ETC: $1.60 as TT-65-27194

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) v22 n6 p572-7 1949.
Also available from CNRS.

TT-65-27195 Field 7D

Nefedova, I. D.; Krasilshchikov, A. I.
ETUDE D'UNE CATHODE D'ARGENT EN PRESENCE D'OXYGENE DISSOUS (Izuchenie Serebryanogo Katoda v Prisutstvii Rastvorennogo Kisloroda). 17p, (foreign text included) 4refs. CNRS-VIIIbis 1120.
Order from ETC: $1.60 as TT-65-27195

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v21 n7 p855-62 1947.
Also available from CNRS.

TT-65-27196 Field 7D

Sklyarenko, S. I.; Sakharov, B. A.
CINETIQUE DES REACTIONS DE DECOMPOSITION DES AMALGAMES DES METAUX ALCALINS PAR L'EAU (Kinetika Reaktsii Razlozheniya Amal'gam Shchelochnykh Metallov Bodoi). 30p, (foreign text included) 7refs. CNRS-VIIIbis 1121.
Order from ETC: $2.60 as TT-65-27196

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v21 n1 p97-107 1947.
Also available from CNRS.

TT-65-27197 Field 7D

Krasilshchikov, A. I.
ETUDE DE LA DEPOLARISATION PAR L'AIR SUR UNE CATHODE DE NICKEL (Issledovanie Vozdushnoi Depolyarizatsii na Nikelevom Katode). 15p, (foreign text included) 8refs. CNRS-VIIIb 1122.
Order from ETC: $1.60 as TT-65-27197

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v21 n7 p849-54 1947.
Also available from CNRS.

TT-65-27198 Field 7D

Polyak, S. S.; Shtern, V. Ya.
MECANISME D'OXYDATION DES HYDROCARBURES EN PHASE GAZEUSE. II. CARACTERE DE RAMIFICATION DEGRADEE DE L'OXYDATION DU PROPYLENE (Mekhanizm Okisleniya Uglevodorodov v Gazovoi Faze. II. Vyrozhdenno-Razvetvlennyi Kharakter Okisleniya Propilena). 25p, (foreign text included) 5refs. CNRS-VIIIb 1123.
Order from ETC: $2.60 as TT-65-27198

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v27 n5 p631-9 1953.
Another trans. is available in English from SLA as RT-2285, 14p.
Also available from CNRS.

TT-65-27201 Field 7D

Sklyarenko, S. I.; Sakharov, B. A.
CINETIQUE DE LA DECOMPOSITION DE L'AMALGAME DE LITHIUM DANS L'EAU ET LES SOLUTIONS ALCALINES DE CHLORURE ET D'HYDROXYDE DE LITHIUM (LITHINE) (Kinetika Reaktsii Razlozheniya Amal'gamy Litiya v Vode i v Vodnykh Rastvorakh Khloristogo Litiya i Gidrata Okisi Litiya). 38p, (foreign text included) 9refs. CNRS-VIIIb 1130.
Order from ETC: $3.60 as TT-65-27201

Trans. in French of Zhurnal Obshchei Khimii (USSR) v17 n8 p1385-1400 1947.
Also available from CNRS.

TT-65-27203 Field 7D

Okada, S.; Yoshizawa, S.; Watanabe, N.; Omote, Y.
LA DENSITE ET LE CONDUCTIVITE ELECTRIQUE DU SEL FONDU A 3 COMPOSANTS NaOH-NaBr-NaI. 23p, (foreign text included) 7refs. CNRS-VIIIb 1132.
Order from ETC: $2.60 as TT-65-27203

Trans. in French of Kogyo Kagaku Zasshi (Japan) v60 p670-5 1957.
Also available from CNRS.

TT-65-27219 Field 7D

Vasileva, E. V.
DETECTION QUALITATIVE DES IONS D'ARGENT ET DE MERCURE ET LEUR DETERMINATION QUANTITATIVE PAR COLORIMETRIE. 12p. CNRS-XLV 137.
Order from ETC: $1.60 as TT-65-27219

Trans. in French of Zhurnal Analiticheskoi Khimii (USSR) v2 n3 p167-72 1947.
Also available from CNRS.

TT-65-27220 Field 7D

Vlodavets, M. L.; Golbert, K. A.; Odinokov, V. N.; Sinovich, I. D.
DOSAGE CHROMATOGRAFIQUE DU DIMERE DE L'ACROLEINE DANS LE MELANGE REACTIONNEL. 7p, 2refs. CNRS-XLV 136.
Order from ETC: $1.10 as TT-65-27220

Trans. in French of Zavodskaya Laboratoriya (USSR) v28 n2 p145-6 1961.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Also available from CNRS.

TT-65-27223 Field 7D

Kostarev, A. I.
INTERPRETATION DE LA STRUCTURE 'ULTRAFINE' DES SPECTRES D'ABSORPTION DES SOLIDES AUX RAYONS X. 14p, 9refs. CNRS-XXVIII135.
Order from ETC: $1.60 as TT-65-27223

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) v19 n5 p413-20 1949.
Another trans. is available in English from LC or SLA mi$2.40, ph$3.30 as TT-59-10868 (1958) 16p.
Also available from CNRS.

TT-65-27224 Field 7D

Kostarev, A. I.
THEORIE DE LA STRUCTURE FINE DES RAIES D'ABSORPTION DU SPECTRE DES RAYONS X DES SOLIDES. 24p, 23refs. CNRS-XXVIII 133.
Order from ETC: $2.60 as TT-65-27224

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) v11 n1 p60-73 1941.
Another trans is available in English from LC or SLA mi$3.00, ph$6.30 as TT-59-10972 (1958) 31p.
Also available from CNRS.

TT-65-27235 Field 7D

Deev, V. I.; Smirnov, V. I.
PRESSION DE LA VAPEUR SATUREE DE BISULFURE, BIOXYDE ET TRIOXYDE DE RHENIUM. 8p, 9refs. CNRS-VII 183.
Order from ETC: $1.10 as TT-65-27235

Trans. in French of Akademiya Nauk SSSR, Doklady, v140 n4 p822-4 1961.
Another trans. is available in English from CFSTI, ETC or SLA $1.10 as TT-63-13717, 1962, 5p.
Also available from CNRS.

TT-65-27236 Field 7D

Popova, T. I.; Bagotskii, V. S.; Kabanov, B. N.
INFLUENCE DES FAIBLES IMPURETES METALLIQUES SUR LA SURTENSION D'HYDROGENE DU ZINC EN SOLUTIONS ALCALINES CONCENTREES. 9p, 10refs. CNRS-VIIIb 1119.
Order from ETC: $1.10 as TT-65-27236

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) v36 n8 p1743-8 1963.
Another trans. in French is available from CNRS as G/R-4733, Org. 178-412.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Also available from CNRS.

TT-65-27237 Field 7D

Iofa, Z. A.
A PROPOS DE LA SURTENSION D'HYDROGENE SUR LE MERCURE EN SOLUTIONS ALCALINES. 8p, 8refs. CNRS-VIIIb 1124.
Order from ETC: $1.10 as TT-65-27237

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v28 n6 p1163-5 1954.
Also available from CNRS.

TT-65-27238 Field 7D

Rotinyan, A. L.; Kozhevnikova, N. M.
CONTRIBUTION A L'ELECTROCHIMIE DU NIOBIUM. I. SURTENSION DE SEPARATION D'HYDROGENE SUR LE NIOBIUM. 13p, 10refs. CNRS-VIIIb 1125.
Order from ETC: $1.60 as TT-65-27238

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v37 n8 p1818-24 1963.
Another trans. in French is available from CNRS as G/R-4722, Org. 178-403.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Also available from CNRS.

TT-65-27239 Field 7D

Demchenko, V. V.
SUR LA RELATION ENTRE L'ENERGIE D'ACTIVATION DE CERTAINS PROCESSUS ELECTROCHIMIQUES ET CATALYTIQUES ET LES PROPRIETES DES METAUX. 6p, 16refs. CNRS-VIIIb 1126.
Order from ETC: $1.10 as TT-65-27239

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v37 n8 p1849-51 1963.
Another trans. in French is available from CNRS as H/R-225, Org. 178-333.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Also available from CNRS.

TT-65-27283 Field 7D

Predvoditelev, A. S.
LE PROBLEME DE L'EQUATION DE L'ETAT DES MILIEUX CONDENSES. Org. 30-1.1.3; CNRS-G/R-4412.
Order from CNRS as G/R-4412

Trans. in French of Inzhenerno-Fizicheskii Zhurnal (USSR) v5 n8 p108-29 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27287 Field 7D

Gorfinkel, M. I.; Lindenbaum, M. D.
UNE METHODE APPROACHEE D'INTEGRATION DE QUELQUES EQUATIONS. Org.30-8b.1.2;CNRS-G/R-4416.
Order from CNRS as G/R-4416

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v36 p2472-4 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27359 Field 7D

Suvorova, S. N.; Vorobev, A. M.; Rabovskii, G. V.
DOSAGE DU FLUOR ET DE L'ACIDE FLUORHYDRIQUE DANS L'AIR A L'AIDE D'UN ADSORBANT SOLIDE.
Org. 55; CNRS-G/R-4488.
Order from CNRS as G/R-4488

Trans. in French of Gigiena i Sanitariya (USSR) v28 n10 p48-50 1963.

TT-65-27361 Field 7D

Stepanenko, M. A.; Matusyak, N. I.; Krikunova, P. I.
EMPLOI DE BRAI A POINT DE RAMOLLISEMENT DE 80/85C COMME LIANT POUR MASSE ANODIQUE. Org. 58-B.07.199; CNRS-G/R-4490.
Order from CNRS as G/R-4490

Trans. in French of Koks i Khimiya (USSR) n4 p47-50 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27377 Field 7D, 10J

Stryukov, V. B.
L'HELIUM-2, FLUIDE QUANTIQUE. Org. 140-1042-1163; CNRS-G/R-4506.
Order from CNRS as G/R-4506

Trans. in French of Priroda (USSR) v52 n10 p24-31 1963.

TT-65-27394 Field 7D

Yagudaev, M. R.; Popov, E. M.
LES FREQUENCES ET LES INTENSITES DE RAIES IR D'ABSORPTION DES VIBRATIONS DE VALENCE ET DE DEFORMATION DU GROUPE NH2 DES AMINES PRIMAIRES. Org. 144-N.2463/T.285; CNRS-G/R-4523.
Order from CNRS as G/R-4523

Trans. in French of Akademiya Nauk SSSR, Izvestiya. Seriya Khimicheskikh, n7 p1189-96 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27406 Field 7D

Tomilov, A. P.
VOLTAMETRE DE LABORATOIRE POUR ELECTROLYSE DES SUBSTANCES ORGANIQUES EN MILIEU HETEROGENE. Org. 177-DOC/2775; CNRS-G/R-4535.
Order from CNRS as G/R-4535

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) v36 n6 p1362-5 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27407 Field 7D

Kalinin, M. A.; Stender, V. V.
OXYDATION ET CHLORURATION ELECTROLYTIQUE DE L'ETHYLENE. Org. 177-DOC/2777; CNRS-G/R-4536.
Order from CNRS as G/R-4536

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) v19 n10-11 p1045-58 1946.
Another trans. is available in English from ETC $2.60 as TT-63-26204, MTWL-1117, 22p.

TT-65-27408 Field 7D

Kolbanovskii, Yu. A.; Peplyaev, Yu. V.
UNE METHODE CINETIQUE DE DETERMINATION DE LA CONCENTRATION DE CENTRES ACTIFS SUR LA SURFACE DU CATALYSEUR. Org. 178-308; CNRS-G/R-4537.
Order from CNRS as G/R-4537

Trans. in French of Kinetika i Kataliz (USSR) v5 n1 p195-6 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27409 Field 7D

Kuznetsov, V. S.
ORIGINE DE L'EFFET DE COMPENSATION DANS LES REACTIONS CHIMIQUES QUI ONT LIEU A LA SURFACE DE CATALYSEURS SEMICONDUCTEURS. Org. 178-346; CNRS-G/R-4538.
Order from CNRS as G/R-4538

Trans. in French of Kinetika i Kataliz (USSR) v5 n2 p277-83 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27410 Field 7D

Lyubarskii, G. D.; Evzerikhin, E. I.; Slinkin, A. A.
RECHERCHE SUR L'ACTIVITE CATALYTIQUE DES SOLUTIONS SOLIDES DU SYSTEME NICKEL-CUIVRE. Org. 178-345; CNRS-G/R-4539.
Order from CNRS as G/R-4539

Trans. in French of Kinetika i Kataliz (USSR) v5 n2 p311-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27411 Field 7D

Vlasenko, V. M.; Kukhar, L. A.; Rusov, M. T.; Samchenko, N. P.
RECHERCHE SUR L'ADSORPTION D'HYDROGENE ET D'OXYDE DE CARBONE SUR UN CATALYSEUR DE NICKEL. Org. 178-344; CNRS-G/R-4540.
Order from CNRS: as G/R-4540

Trans. in French of Kinetika i Kataliz (USSR) v5 n2 p337-45 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27412 Field 7D, 20B

Indenbom, V. L.
THEORIE MACROSCOPIQUE DE FORMATION DE DISLOCATION AU COURS DE LA CROISSANCE DES CRISTAUX. Org. 178-314; CNRS-G/R-4541.
Order from CNRS as G/R-4541

Trans. in French of Kristallografiya (USSR) v2 n5 p594-603 1957.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27413 Field 7D

Levich, V. G.; Krylov, V. S.
THEORIE DE LA COUCHE DOUBLE ELECTRIQUE DANS LES SOLUTIONS CONCENTREES. Org. 178-217; CNRS-G/R-4542.
Order from CNRS as G/R-4542

Trans. in French of Akademiya Nauk SSSR, Doklady, v141 n6 p1403-5 1961.
Another trans. in French is available from ETC $1.10 or CNRS as TT-63-27450, CNRS-VIII bis 897, 7p.

TT-65-27414 Field 7D

Deryagin, B. V.; Altshuler, M. A.
EXTRACTION PAR DIFFUSION DE MATERIAUX POREUX PENDANT L'OPERATION D'IMPREGNATION CAPILLAIRE. Org. 178-164; CNRS-G/R-4543.
Order from CNRS as G/R-4543

Trans. in French of Akademiya Nauk SSSR. Doklady, v146 n1 p139-42 1962.

TT-65-27415 Field 7D

Teteni, P.; Shekhter, K.
ETUDE DE L'INFLUENCE DE LA GENESE SUR L'ACTIVITE DES CATALYSEURS DE NICKEL.
Org. 178-215; CNRS-G/R-4544.
Order from CNRS as G/R-4544

Trans. in French of Akademiya Nauk SSSR. Doklady, v146 n3 p621-4 1962.

TT-65-27416 Field 7D

Pshenichnikov, A. G.
QUELQUES PROBLEMES DE LA THEORIE D'ELECTRODES POREUSES. Org. 178-348; CNRS-G/R-4545.
Order from CNRS as G/R-4545

Trans. in French of Akademiya Nauk SSSR. Doklady, v148 n5 p1121-4 1963.

TT-65-27417 Field 7D

Taber, A. M.; Polkovnikov, B. D.; Maltseva, N. N.; Mikheeva, V. I.; Balandin, A. A.
RECHERCHE SUR LES CATALYSEURS OBTENUS PAR UNE REACTION DE BORHYDRIDE DE SODIUM AVEC SELS DE METAUX LOURDS. Org. 178-300; CNRS-G/R-4546.
Order from CNRS as G/R-4546

Trans. in French of Akademiya Nauk SSSR. Doklady, v152 p119-21 1963.

TT-65-27418 Field 7D

Taber, A. M.; Balandin, A. A.; Sokolskii, D. V.; Polkovnikov, B. D.
COURBES DE CHARGEMENT DE CATALYSEURS AU BORURE DE METAUX DU GROUPE DU PLATINE. Org. 178-294; CNRS-G/R-4547.
Order from CNRS as G/R-4547

Trans. in French of Akademiya Nauk SSSR. Doklady, v152 p379-81 1963.

TT-65-27419 Field 7D

Deryagin, B.
MESURE DE LA SURFACE SPECIFIQUE DES CORPS POREUX ET DISPERSES PAR LA RESISTANCE AU COURANT DE GAZ RAREFIES. Org. 178-233; CNRS-G/R-4548.
Order from CNRS as G/R-4548

Trans. in French of Akademiya Nauk SSSR. Doklady, v53 n7 p627-30 1946.
Another trans. in French is available from CFSTI, ETC or SLA $1.10 as TT-61-15754, CEA-tr-R958, 29 Jun 60, 9p.

TT-65-27420 Field 7D

Levich, V. G.; Khaikin, B. I.; Kiryanov, V. A.
IMPEDANCE FARADIQUE DES PROCESSUS D'ELECTRODE REVERSIBLE OBEISSANT AU SCHEMA DE DEGAGEMENT CATALYTIQUE D'HYDROGENE.
Org. 178-218; CNRS-G/R-4549.
Order from CNRS as G/R-4549

Trans. in French of Akademiya Nauk SSSR. Doklady, v139 n4 p925-8 1961.
Another trans. in French is available from ETC $1.10 or CNRS as TT-63-27472, CNRS-X-756, 7p.

TT-65-27423 Field 7D

Neuimin, A. D.; Palguev, S. F.
RECHERCHES SUR LA NATURE DE CONDUCTIBILITE D'OXYDES SOLIDES. II- SYSTEMES CeO2-La2O3, CeO2-Nd2O2, CeO2Y2O3. Org. 178-330; CNRS-G/R-4552.
Order from CNRS as G/R-4552

Trans. in French of Akademiya Nauk SSSR. Institut Elektrokhimii, Sverdlovsk. Trudy, n3 p133-140 1962.

TT-65-27424 Field 7D

Strekalovskii, V. N.; Burov, G. V.; Samarina, V. A.; Palguev, S. F.; Volchehkova, Z. S.
REACTION ENTRE CeO2 et MgO A L'ETAT SOLIDE.
Org. 178-331; CNRS-G/R-4553.
Order from CNRS as G/R-4553

Trans. in French of Akademiya Nauk SSSR. Institut Elektrokhimii, Sverdlovsk. Trudy, n3 p171-7 1962.

TT-65-27428 Field 7D

Palguev, S. F.; Volchenkova, Z. S.
PROBLEME D'ELECTROLYTE SOLIDE POUR PILES A COMBUSTIBLE. Org. 178-373; CNRS-G/R-4557.
Order from CNRS as G/R-4557

Trans. in French of Akademiya Nauk SSSR. Institut Khimii. Sverdlovsk. Trudy, n2 p183-200 1958.

TT-65-27429 Field 7D

Kaplyanskii, A. A.; Przhevuskii, A. K.
EFFET PIEZOSPECTROSCOPIQUE DANS LES CRISTAUX DE RUBIS. Org. 178-371; CNRS-G/R-4558.
Order from CNRS as G/R-4558

Trans. in French of Akademiya Nauk SSSR. Doklady, v142 n2 p313-6 1962.
Other trans. are available in English from CFSTI, ETC or SLA $1.10 as TT-62-18054, 1962, 8p., APL/JHU TG-230-T321, 15 Aug. 62, 9p; and from CFSTI $0.50 as TT-62-11776.

TT-65-27434 Field 7D

Temkin, M. I.
METHODES SANS GRADIENT DE DETERMINATION DE LA VITESSE DES REACTIONS. Org. 178-370; CNRS-G/R-4563.
Order from CNRS as G/R-4563

Trans. in French of Kinetika i Kataliz (USSR) v3 n4 p509-17 1962.

Another trans. is available in English from CFSTI, ETC or SLA $1.60 as TT-63-18839, 1963, 11p.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27437 Field 7D

Shakhparonov, M. I.
SUBSTANCES A LIAISONS INTERMOLECULAIRES D'HYDROGENE EN TANT QUE SEMI-CONDUCTEURS PROTONIQUES. Org. 178-374; CNRS-G/R-4566.
Order from CNRS as G/R-4566

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) v38 n2 p252-65 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27438 Field 7D

Kozhevnikova, N. M.; Rotinyan, A. L.
SURTENSION DE DEGAGEMENT D'HYDROGENE SUR LE TANTALE. Org. 178-396; CNRS-G/R-4567.
Order from CNRS as G/R-4567

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) v36 n9 p1950-5 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27439 Field 7D

Maslenkov, S. B.; Zharkova, D. N.
COMPOSITION EN PHASES DE LA COUCHE DE DIFFUSION DU NICKEL BORURE. Org. 178-267; CNRS-G/R-4568.
Order from CNRS as G/R-4568

Trans. in French of Fizika Metallov i Metallovedenie (USSR) v14 n4 p638-40 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27440 Field 7D

Kurochkin, K. T.; Baum, B. A.; Borodulin, E. K.
INFLUENCE DE L'AZOTE SUR LA TENSION SUPERFICIELLE DU FER LIQUIDE. Org. 178-237; CNRS-G/R-4569.
Order from CNRS as G/R-4569

Trans. in French of Fizika Metallov i Metallovedenie (USSR) v15 n3 p461-2 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27443 Field 7D

Kalikhman, V. L.; Umanskii, Ya. S.; Chirikov, N. V.
ETUDE D'APPARITION ET DE CROISSANCE D'UNE POROSITE DE DIFFUSION, AU COURS DE L'ELIMINATION DE LA COMPOSANTE VOLATILE DE CERTAINS ALLIAGES DE NICKEL. Org. 178-219; CNRS-G/R-4572.
Order from CNRS as G/R-4572

Trans. in French of Issledovaniya po Zharoprochnym Splavam (USSR) v8 p127-31 1962.

TT-65-27444 Field 7D

Akopyan, A. U.
SURTENSION DE LA REDUCTION CATHODIQUE DE L'OXYGENE ET ENERGIE D'ACTIVATION DES PROCESSUS ELECTROCHIMIQUE CORRESPONDANTS.
Org. 178-197; CNRS-G/R-4573.
Order from CNRS as G/R-4573

Trans. in French of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Seriya Khimicheskikh Nauk, v11 n4 p141-52 1958.
Another trans. in French is available from ETC $1.60 or CNRS as TT-62-26663, CNRS-VIIIbis 193, 18p.

TT-65-27445 Field 7D

Santalov, F. A.
VITESSE D'EVAPORATION ET DE FORMATION DES VAPEURS, AU COURS DE L'EVAPORATION DU ZINC D'ECHANTILLONS POLY ET MONOCRISTALLINS DE SOLUTION ET SOLIDE DE ZINC DANS L'ARGENT.
Org. 178-231; CNRS-G/R-4574.
Order from CNRS as G/R-4574

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) v3 n3 p143-7 1960.

TT-65-27455 Field 7D

Tanabe, Z.
RELATION ENTRE LA DESALUMINISATION DE LA COUCHE DE POLARISATION ANODIQUE DE A1. BRONZE.
Org. 113-BFT.1518; CNRS-G/X-1626.
Order from CNRS as G/X-1626

Trans. in French from Nihon Kinzoku Gakkaishi (Japan) v26 n9 1962.

E. Radio and radiation chemistry

TT-65-12304 Field 7E

Kolditz, L.; Prosch, U.
RADIOLYSIS OF LIQUID AMMONIA. 28p, 19refs.
Order from SLA: $2.60 as TT-65-12304

Trans. of Zeitschrift fuer Physikalische Chemie, Leipzig (East Germany) v218 n1/2 p108-40 1961.

TT-65-12410 Field 7E

Maurin, J.
STUDY OF THE RADIOLYSIS OF METHANE IN GASEOUS PHASE. 22p, 30refs.
Order from SLA: $2.60 as TT-65-12410

Trans. of Journal de Chimie Physique (France) v59 n1 p15-26 1962.

TT-65-12442 Field 7E

Schenck, G. O.
PROBLEMS AND POSSIBILITIES OF PREPARATIVE RADIATION CHEMISTRY. Paper presented at the Plenary Session of the Society of German Chemists, Hamburg, 22 Sep 56. 48p, 89refs.
Order from SLA: $4.60 as TT-65-12442

Trans. of Angewandte Chemie (West Germany) v69 n18/19 p579-99 1957.

TT-65-27199 Field 7E

Pikaev, A. K.; Glazunov, P. Ya.; Spitsyn, V. I.
SIGNIFICATIONS APPROXIMATIVES DES CONSTANTES DE VITESSE DES REACTIONS RADIOLOGIQUES AVEC PARTICIPATION DE L'ELECTRON HYDRATE (Priblizhennye Znacheniya Konstant Skorosti Radiatsionnykh Reaktsii s Uchastiem Gidratirovannogo Elektrona). 12p, (foreign text included) 16refs. CNRS-VIIIb 1127.
Order from ETC: $1.60 as TT-65-27199

Trans. in French of Akademiya Nauk SSSR. Doklady, v151 n6 p1387-9 1963.
Also available from CNRS.

TT-65-27454 Field 7E

Shigematsu, T.; Tabushi, M.
DOSAGE PHOTOMETRIQUE DE L'URANIUM PAR L'UTILISATION DE L'ACETYL-ACETONE. Org.4-1456; CNRS-G/X-1622.
Order from CNRS as G/X-1622

Trans. in French of Bunseki Kagaku (Japan) v8 p253-6 1959.

TT-65-62702 Field 7E, 7D

Spitsyn, V. I.; Zimakov, I. E.; Dobroselskaya, N. P.
EFFECT OF RADIOACTIVE RADIATION OF 35S AND 99Mo ON SPECIFIC SURFACE VALUE OF MOLYBDENUM DISULFIDE. 12 May 65, 8p, 10refs. FTD-TT-65-26; AD-618 638.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 638

Unedited rough draft trans. of Radiokhimiya (USSR) v6 n1 p130-2 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

08 EARTH SCIENCES AND OCEANOGRAPHY

D. Geochemistry

TT-65-12403 Field 8D

Friedrich, G.; Schachner, D.; Nielsen, H.
SULPHUR ISOTOPE - INVESTIGATIONS FOR SULFIDES WHICH ORIGINATED IN THE ORE DEPOSITS IN THE SIERRA DE CARTAGENA, SPAIN. 33p, (3 figs omitted) 11refs.
Order from SLA: $3.60 as TT-65-12403

Trans. of Geochimica et Cosmochimica Acta (Gt. Brit.) v28 n5 p683-98 1964.

TT-65-27391 Field 8D

RECUEIL GEOCHIMIQUE NO. 9. Org. 144-N.2447/T.278; CNRS-G/R-4520.
Order from CNRS as G/R-4520

Trans. in French from Vsesoyuznyi Neftyanoi Nauchno-Issledovatel'skii Geologo-Razvedochnyi Institut. Trudy (USSR) n227 1964.

E. Geodesy

TT-65-28534 Field 8E

Ilin, V. B.; Derviz, V. D.
DAS LUFTBILDAUFNAHMEGERAT AFA-TEU UND SEINE PRUFUNGEN. 17p.
Order from ETC or TIB: $1.60 as TT-65-28534

Trans. in German of Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros'emki i Kartografii. Trudy (USSR) v146 p3-15 1962.
Another trans. is available in English from CFSTI, ETC or HC $1.00, MF $0.50 as TT-64-11876, FID-MT-63-353, AD-602350, 10 Jun 64, 24p.

TT-65-28535 Field 8E

Konshin, M. D.; Orlov, V. K.
DIE BESTIMMUNG DER NEIGUNGSWINKEL VON LUFTBILDAUFNAHMEN ZUR BEURTEILUNG DER ANFLUGGUTE. 17p.
Order from ETC or TIB: $1.60 as TT-65-28535

Trans. in German of Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros'emki i Kartografii. Trudy (USSR) v146 p133-44 1962.

TT-65-28536 Field 8E

Krasheninnikov, G. D.; Sokolova, N. A.
UNTERSUCHUNGSERGEBNISSE DER INDUSTRIEWERKE UBER PHOTOGRAMMETRISCHE VERDICHTUNG DES HOHENNETZES. 14p.
Order from ETC or TIB: $1.60 as TT-65-28536

Trans. in German of Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros'emki i Kartografii. Trudy (USSR) v146 p109-20 1962.

TT-65-28537 Field 8E

Sokolova, N. A.; Milner, V. S.
EXPERIMENTELLE ARBEITEN UBER DIE PHOTOGRAMMETRISCHE HOHENVERDICHTUNG UND DIE VERWENDUNG DER PHOTOGRAMMETRISCHEN VERDICHTUNGSPUNKTE BEI ARBEITEN AUF DEM STD. 14p.
Order from ETC or TIB: $1.60 as TT-65-28537

Trans. in German of Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros'emki i Kartografii. Trudy (USSR) v146 p121-32 1962.

TT-65-28538 Field 8E

Drobyshev, F. V.
MASSSTABSEINRICHTUNGEN IN STEREOPHOTOGRAMMETRISCHEN GERATEN DER TRANSFORMATIONSKOPPLUNG. 10p.
Order from ETC or TIB: $1.10 as TT-65-28538

Trans. in German of Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros'emki i Kartografii. Trudy (USSR) v146 p93-100 1962.

TT-65-28539 Field 8E

Konshin, M. D.
ABSCHATZUNG DER ANZEIGEGENAUIGKEIT DES

STATOSKOPS. 3p.
Order from ETC or TIB: $1.10 as TT-65-28539

Trans. in German of Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros'emki i Kartografii. Trudy (USSR) v146 p101-3 1962.

TT-65-62719 Field 8E

Deumlich, Fritz.
INSTRUMENTATION IN SURVEYING. PART I. FUNDAMENTALS OF INSTRUMENTATION. Aug 65, 92p. AERDL-T-1754a-65; AD-618 665.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-618 665

Trans. from Instrumentenkunde der Vermessungstechnik 2d ed. Berlin, 1963.
Contract DA44 009AMC397T.
Available copy will not permit fully legible reproduction.

TT-65-62721 Field 8E

Deumlich, Fritz.
INSTRUMENTATION IN SURVEYING. PART II. INSTRUMENTS FOR STAKING-OUT AND MEASURING HORIZONTAL ANGLES. Aug 65, 204p. AERDL-T-1754b-65; AD-618 667.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as AD-618 667

Trans. of mono. Instrumentenkunde der Vermessungstechnik 2d ed. Berlin, 1963 p103-240, 471-9.
Contract DA44 009AMC397T.
Available copy will not permit fully legible reproduction.

TT-65-62722 Field 8E

Deumlich, Fritz.
INSTRUMENTATION IN SURVEYING. PART III. INSTRUMENTS FOR MEASURING ELEVATIONS AND ELEVATION DIFFERENCES. Aug 65, 104p. AERDL-T-1754c-65; AD-618 668.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as AD-618 668

Trans. from Instrumentenkunde der Vermessungstechnik, 2d ed. Berlin, 1963.
Contract DA44 009AMC397T.
Available copy will not permit fully legible reproduction.

TT-65-62723 Field 8E

Deumlich, Fritz.
INSTRUMENTATION IN SURVEYING. PART IV. INSTRUMENTS AND DEVICES FOR MEASURING DISTANCES. Aug 65, 75p. AERDL-T-1754d-65; AD-618 669.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-618 669

Trans. from Instrumentenkunde der Vermessungstechnik 2d ed. Berlin 1963.
Contract DA44 009AMC397T
Available copy will not permit fully legible reproduction.

TT-65-62724 Field 8E

Deumlich, Fritz.
INSTRUMENTATION IN SURVEYING. PART V. INSTRUMENTS FOR TACHYMETRY. Aug 65, 54p.
AERDL-T-1754e-65; AD-618 670.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-618 670

Trans. from Instrumentenkunde der Vermessungstechnik 2d ed. Berlin, 1963.
Contract DA44 009AMC397T.
Available copy will not permit fully legible reproduction.

TT-65-62725 Field 8E

Deumlich, Fritz.
INSTRUMENTATION IN SURVEYING. INDEX FOR PARTS I, II, III, IV AND V. Aug 65, 26p. AERDL-T-1754x-65; AD-618 671.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-618 671

Trans. from Instrumentenkunde der Vermessungstechnik, 2d ed. Berlin, 1963.

F. Geography

TT-65-62808 Field 8F, 8G

DIAMOND RESOURCES IN THE YAKUT REGION. 22 Jul 65, 6p. FTD-TT-65-412; AD-618 898.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 898

Unedited rough draft trans. from Sovetskaya Rossiya (USSR) 30 Oct p4 1964.

G. Geology and mineralogy

TT-65-12130 Field 8G

Kuehn-Velten, H.
SUBAQUEOUS SLIDES IN THE HIGHEST UPPER DEVONIAN OF SAUERLAND. 24p, (figs omitted) 14refs.
Order from SLA: $2.60 as TT-65-12130

Trans. of Geologische Rundschau (West Germany) v44 p3-25 1955.

TT-65-12256 Field 8G

Dostalek, M.; Spurny, M.; Rosypalova, A.
ACTION OF BACTERIA ON THE PETROLEUM LOOSENING IN COLLECTORS. 18p, 12refs.
Order from SLA: $1.60 as TT-65-12256

Trans. of Ustav pro Naftovy Vyskum; Prace. Publikace (Czechoslovakia) n9 p29-46 1958.
Another trans. is available from ATS $29.60 as ATS-48M40C, 17p.

TT-65-12257 Field 8G

Spurny, M.
MICROBIOLOGY IN PETROLEUM PROSPECTION. EFFECT OF SOME MOLDS ON THE SO-CALLED COLORED SOIL REACTION. 11p, 14refs.
Order from SLA: $1.60 as TT-65-12257

Trans. of Ustav pro Naftovy Vyskum. Prace. Publikace (Czechoslovakia) n9 p89-100 1958.

TT-65-12268 Field 8G

Louis, M.
THE OPTICAL ACTIVITY OF OILS: APPLICATIONS IN GEOCHEMISTRY. 16p, (refs omitted).
Order from SLA: $1.60 as TT-65-12268

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v16 n3 p263-74 1961.

TT-65-12269 Field 8G

Utegenov, S. M.
THE EFFECT OF MINERAL COMPOSITION OF HYDRO-CHEMICAL SEDIMENTS ON THE RESOLVING POWER OF NEUTRON-GAMMA LOGGING AND DETERMINATION OF BORON CONTENT IN THESE SEDIMENTS. 8p, 8refs.
Order from SLA: $1.10 as TT-65-12269

Trans. of Akademiya Nauk Kazakhskoi SSR. Alma-Ata. Izvestiya. Seriya Geologicheskaya, n1 p70-3 1964.

TT-65-12270 Field 8G

Eggelpoel, A. van.
STUDY OF THE EVOLUTION OF OILS DURING MIGRATIONS AND APPLICATION TO THE GRAPHIC DETERMINATION OF THE MIGRATIONS. 26p.
Order from SLA: $2.60 as TT-65-12270

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v14 n12 p1595-1614 1959.

TT-65-12272 Field 8G

Teichmuller, M.; Khalifeh, Y.; Roucache, J.; Louis, M.
TRANSFORMATION OF THE ORGANIC MATERIAL OF BITUMINOUS SHALES BY METAMORPHISM. EXAMPLE OF THE POSIDONOMIA SHALES OF THE TOARCIAN IN LOWER SAXONY. 11p, 11refs.
Order from SLA: $1.60 as TT-65-12272

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v15 n11 p1567-74 1960. Another trans. is available from ATS $14.45 as ATS-16N49F, 9p.

TT-65-12273 Field 8G

Khalifeh, Y.; Louis, M.
STUDY OF THE ORGANIC MATERIAL IN DEDIMENTARY ROCKS. 9p, 3refs.
Order from SLA: $1.10 as TT-65-12273

Trans. of Revue de l'Institut Francais du Petrole et Anna les des Combustibles Liquides, v13 n9 p1247-52 1958.

TT-65-12281 Field 8G

Fischer, W.
THE AGATE GENESIS. Expanded version of paper presented at the Annual Meeting of the German Mineralogical Society (no. 29) Bochum, 1951. 58p, 32refs.
Order from SLA: $5.60 as TT-65-12281

Trans. of Neues Jahrbuch fuer Mineralogie. Abhandlungen (West Germany) v86 n3 p367-92 1954.

TT-65-12296 Field 8G

Baranov, V.
ELECTRONIC COMPUTERS WHICH CONTRIBUTE EFFECTIVE AID TO GEOPHYSICS. 16p, (refs omitted).
Order from SLA: $1.60 as TT-65-12296

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v17 n4 p478-90 1962.

TT-65-12372 Field 8G

Troll, C.
AERIAL PHOTOGRAPHS AND ECOLOGICAL SOIL RESEARCH (Luftbild und Oekologische Bodenforschung). 6p.
Order from SLA: $1.10 as TT-65-12372

Trans. from mono. Luftbild und Geomorphologie, Berlin, 1941.

TT-65-12373 Field 8G

Bobek, H.
AERIAL PHOTOGRAPHS AND GEOMORPHOLOGY - INTRODUCTION. 8p.
Order from SLA: $1.10 as TT-65-12373

Trans. from mono. Luftbild und Geomorphologie, Berlin, 1941.

TT-65-12395 Field 8G

Bardon,C.
IMPORTANCE OF IONIC PHENOMENA CONCERNING CLAY. Paper presented at the Meeting of the Journees d'Information sur les Argiles at the Institut Francais du Petrole (French Petroleum Institute) Rueil-Malmaison, 29-30 Apr 64. 36p, 4refs.
Order from SLA: $3.60 as TT-65-12395

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v19 n9 p941-57 1964.

TT-65-12396 Field 8G

Ovcharenko, F. D.; Alekseev, O. L.
IONIC EXCHANGE AND ELECTROKINETIC PROPERTIES OF ARGILLACEOUS MINERALS (Ionnyi Obmen i Elektrokineticheskie Svoistva Glinistykh Mineralov). 8p, 19refs.
Order from SLA: $1.10 as TT-65-12396

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) v29 n4 p372-6 1963.

TT-65-12400 Field 8G

Zaritskii, P. V.
THE ISOMORPHIC INCLUSION OF CaCO3 IN SIDERITE AND MAGNEOSIDERITE CONCRETIONS OF THE DONETS BASIN. 7p, 16refs.
Order from SLA: $1.10 as TT-65-12400

Trans. of Akademiya Nauk SSSR, Doklady, v155 n6 p1341-4 1964.

TT-65-12402 Field 8G

Kunetz, G.; Erceville, I. d'.
STUDY OF CERTAIN PROPERTIES OF AN ACOUSTICAL PLANE COMPRESSIONAL WAVE IN A STRATIFIED MEDIUM. A. STUDY BY MEANS OF A DISCONTINUOUS SYSTEM: THE MEDIUM FORMED BY A SERIES OF HOMOGENEOUS BEDS. B. DIRECT STUDY OF A MEDIUM WITH A CONTINUOUSLY CHANGING

VELOCITY. 17p, (1 ref omitted) 2refs.
Order from SLA: $1.60 as TT-65-12402

Trans. of Annales de Geophysique (France)
v18 n4 p351-9 1962.

TT-65-12404 Field 8G

Schmid, C.
THE WETTABILITY OF PETROLEUM RESERVOIR ROCKS AND EXPERIMENTAL INVESTIGATIONS OF THE EFFECTS OF VARIATIONS IN THE WETTABILITY OF CORE SAMPLES. 27p, 7refs.
Order from SLA: $2.60 as TT-65-12404

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v17 n8 p605-9 1964.
Another trans. is available from ATS $14.85 as ATS-83S81G (10p).

TT-65-12405 Field 8G

Krey, T.; Maass, H. -W.
PROGRESS IN APPLIED GEOPHYSICS IN GERMANY. 40p, (5 figs omitted) 11refs.
Order from SLA: $3.60 as TT-65-12405

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v16 n6-1 p619-29 1963.
Special Issue.

TT-65-12406 Field 8G

Neumann, H. J.
INTERFACIAL TENSION AND DRAINAGE OF OIL FROM DEPOSITS. 10p, 15refs.
Order from SLA: $1.10 as TT-65-12406

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v17 n5 p346-8 1964.

TT-65-12431 Field 8G

Schoeller, H.
GEOCHEMISTRY OF UNDERGROUND WATERS. APPLICATION TO THE WATERS OF PETROLEUM DEPOSITS. 38p, 8refs.
Order from SLA: $3.60 as TT-65-12431

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v10 n3 p181-213 1955.

TT-65-12436 Field 8G

Perrodon, A.
ON THE IDEA OF A PETROLEUM PROVINCE. 23p, 30refs.
Order from SLA: $2.60 as TT-65-12436

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v16 n6 p659-77 1961.

TT-65-12443 Field 8G

Meyer, C.
100 YEARS OF PETROLEUM EXPLORATION IN SPAIN. 13p.
Order from SLA: $1.60 as TT-65-12443

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v13 n6 p382-7 1960.

TT-65-12472 Field 8G

Bartosch, E.
THE QUALITATIVE DETERMINATION OF THE CONSTITUENT MINERALS IN RAW GYPSUM. 5p, 12refs.
Order from SLA: $1.10 as TT-65-12472

Trans. of Zement-Kalk-Gips (West Germany) v13(49) n12 p581-3 1960.

TT-65-12476 Field 8G

Krejci-Graf, K.
MODERN VIEWS ON THE ORIGIN OF PETROLEUM. 19p, 120refs.
Order from SLA: $1.60 as TT-65-12476

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v13 n11 p836-45 1960.

TT-65-12478 Field 8G

Fail, J. P.; Grau, G.
THE FAN-SHAPED FILTERS. Paper presented at the Meeting of the European Association of Exploration Geophysicists (no. 23) Wiesbaden, 12-14 Dec 62. 28p, 4refs.
Order from SLA: $2.60 as TT-65-12478

Trans. of Geophysical Prospecting (Netherlands) v11 n2 p131-63 1963.
Another trans. is available from SLA $3.60 as TT-64-10970, 37p.

TT-65-27206 Field 8G

Gritsaenko, G. S.; Gorshkov, A. I.; Frolova, K. E.
CONTRIBUTION A L'ETUDE DES MINERAUX PAR LA METHODE DES REPLIQUES (Ob Izuchenii Mineralov Metodom Replik. 30p, (foreign text included) 7refs.
CNRS-XLII 10.
Order from ETC: $2.60 as TT-65-27206

Trans. in French of Vsesoyuznoe Mineralogicheskoe Obshchestvo. Zapiski (USSR) v87 n3 p269-76 1958.
Also available from CNRS.

TT-65-27207 Field 8G

Gritsaenko, G. S.; Gorshkov, A. I.; Frolova, K. E.
UTILISATION DE REPLIQUES EN CARBONE ET EN CELLULOSE ET CARBONE POUR DES ETUDES FRACTOLOGIQUES DE MINERAUX COMPOSITES (Primenenie Ugol'nykh i Tsellyulozo-Ugol'nykh Replik k Izucheniyu Poverkhnostei Izhloma Mineral'nykh Agregatov). 26p, (foreign text included) 9refs. CNRS-XLII 11.
Order from ETC: $1.60 as TT-65-27207

Trans. in French of Vsesoyuznoe Mineralogicheskoe Obshchestvo. Zapiski (USSR) v89 n2 p152-9 1960.
Also available from CNRS.

TT-65-27273 Field 8G

Karmazin, V. I.
L'APTITUDE AU BROYAGE DES MINERAIS DE KRIVOJ ROG. Org. 2-IRSID-1572 P.111; CNRS-G/R-4402.
Order from CNRS as G/R-4402

Trans. in French of Gornyi Zhurnal (USSR) v126 n8 p31-2 1952.

TT-65-27276 Field 8G

Sokolov, V. E.; Umrikhin, P. V.
INFLUENCE DU MANGANESE, DU SILICIUM ET DE L'ALUMINIUM SUR LA FORMATION ET LA REMONTEE DES OXYDES DE FER. Org. 2-IRSID-2113 P.333/205; CNRS-G/R-4405.
Order from CNRS as G/R-4405

Trans. in French of Ural'skii Politekhnicheskii Institut, Sverdlovsk. Trudy (USSR) n93 p127-37 1959.

TT-65-27373 Field 8G

Groshev, G. G.
CONDITIONS DE GITE ET QUELQUES PROBLEMES DE FORMATION DES GISEMENTS DE GAZ ET D'HUILE DU CHAMP D'EKHABI. Org. 131-12340; CNRS-G/R-4502.
Order from CNRS as G/R-4502

Trans. in French of Vsesoyuznyi Neftyanoi Nauchno-Issledovatel'skii Geology - Razvedochnyi Institut. Trudy (USSR) n181 p180-90 1961.

TT-65-27387 Field 8G

DETERMINATION DU RENDEMENT DES TRAVAUX DE PROSPECTION GEOLOGIQUE. Org. 144-N.2443/T.282; CNRS-G/R-4516.
Order from CNRS as G/R-4516

Trans. in French from Vsesoyuznyi Neftyanoi Nauchno-Issledovatel'skii Geologo-Razvedochnyi Institut. Trudy (USSR) n229 1964.

TT-65-27388 Field 8G

LES FONDEMENTS DE LA CLASSIFICATION GENETIQUE DES BITUMES. Org. 144-N.2444/T.283; CNRS-G/R-4517.
Order from CNRS as G/R-4517

Trans. in French from Vsesoyuznyi Neftyanoi Nauchno-Issledovatel'skii Geologo-Razvedochnyi Institut. Trudy (USSR) n230 1964.

TT-65-27389 Field 8G

ETUDE DES FISSURATIONS DES ROCHES ET DES RESERVOIRS FISSURES DE PETROLE ET DE GAZ. Org. 144-N.2445/T.281; CNRS-G/R-4518.
Order from CNRS as G/R-4518

Trans. in French from Vsesoyuznyi Neftyanoi Nauchno-Issledovatel'skii Geologo-Razvedochnyi Institut. Trudy (USSR) n228 1964.

TT-65-27390 Field 8G

PUITS DE RECONNAISSANCE EN URSS. PUITS DE RECONNAISSANCE DE SURGUT (REGION DE TJUMEN). Org. 144-N.2446/T.280; CNRS-G/R-4519.
Order from CNRS as G/R-4519

Trans. in French from Vsesoyuznyi Neftyanoi Nauchno Issledovatel'skii Geologo-Razvedochnyi Institut. Trudy (USSR) n226 1964.

TT-65-27400 Field 8G

Volkov, M. I.; Sadovenko, D. I.
DETERMINATION DE LA QUALITE DES ROCHES PAR DISRUPTURE. Org. 167-64/T.84; CNRS-G/R-4529.
Order from CNRS as G/R-4529

Trans. in French of Avtomobil'nye Dorogi (USSR) v27 n5 p19-20 1964.

I. Mining engineering

TT-65-12253 Field 8I

Grodde, K. H.
THE RHEOLOGY OF COLLOIDAL SUSPENSIONS, ESPECIALLY OF THE DRILLING FLUIDS. PART II. APPLICATION IN THE DRILLING PRACTICE. 12p, 3refs.
Order from SLA: $1.60 as TT-65-12253

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v13 n2 p79-83 1960.
Another trans. is available from ATS $13.75 as ATS-84M41G, 11p.

TT-65-27318 Field 8I

Bugrim, S. F.
BETONS A HAUTE RESISTANCE FABRIQUES A PARTIR DES ROCHES OXYDEES DES TERRILS. Org. 54-E.693-44291; CNRS-G/R-4447.
Order from CNRS as G/R-4447

Trans. in French of Shakhtnoe Stroitelstvo (USSR) v8 n4 p15-7 1964.

TT-65-27319 Field 8I

Naidyshe, A. M.; Bratishko, A. S.; Zemlyanski, L. V.
DETERMINATION D'UNE PRODUCTION OPTIMALE DANS LES MINES A DEGAGEMENT GAZEUX IMPORTANT. Org. 54-F.311-44264; CNRS-G/R-4448.
Order from CNRS as G/R-4448

Trans. in French of Gornyi Zhurnal (USSR) n4 p26-32 1964.

TT-65-27320 Field 8I

Legkodukh, I. G.; Likhachev, L. Ya.
LE DEGAGEMENT GAZEUX LORS D'UNE HUMIDIFICATION PRELIMINAIRE DE LA COUCHE DE CHARBON A L'AIDE DES SONDAGES DE FAIBLE PROFONDEUR. Org. 54-F.311-44622; CNRS-G/R-4449.
Order from CNRS: as G/R-4449

Trans. in French of Ugol (USSR) v39 n4 p54-5 1964.

TT-65-27321 Field 8I

Kutovoi, L. N.
ELECTRIFICATION DES TRAVAUX MINIERS DANS LES COUCHES EN DRESSANT. Org. 54-H.50-44060; CNRS-G/R-4450.
Order from CNRS: as G/R-4450

Trans. in French of Ugol (USSR) v39 n3 p28-9 1964.

TT-65-27322 Field 8I

Lidin, G. D.; Airuni, A. T.
EXPERIENCE MONDIALE DANS LE DOMAINE DE CAPTAGE DU GRISOU ET DEVELOPPEMENT DU DEGAZAGE DANS LES HOUILLERES DE L'UNION SOVIETIQUE. Org. 54-F.3440-44849.
Order from CNRS as G/R-4451

Trans. in French of Unidentified Russian language pub., p2-34 1963.

TT-65-27326 Field 8I

Grammatikov, Yu. A.
VARIATION DU CARACTERE D'AFFAISSEMENT DU TOIT EN FONCTION DU PENDAGE DE LA COUCHE EXPLOITEE. Org. 54-B.60-44299; CNRS-G/R-4455.
Order from CNRS: as G/R-4455

Trans. in French of Ugol (USSR) v39 n4 p31-3 1964.

TT-65-27328 Field 8I

Paramonov, V. I.; Vereskunov, N. G.
PASSER RAPIDEMENT A L'EMPLOI DE MACHINES D'ABATTAGE A SAIGNEE ETROITE. Org. 54-C.230-44296; CNRS-G/R-4457.
Order from CNRS: as G/R-4457

Trans. in French of Ugol (USSR) v39 n4 p11-7 1964.

TT-65-27329 Field 8I

Krylov, V. F.; Bich, Ya. A.; Bublik, F. P.
MANIFESTATION DES COUPS DE TOIT DANS LES MINES DE KOUZBASS. Org. 54-D.12-44301; CNRS-G/R-4458.
Order from CNRS: as G/R-4458

Trans. in French of Ugol (USSR) v39 n4 p57-61 1964.

TT-65-27330 Field 8I

Bondarenko, A. D.
QUELQUES LOIS SUR L'ACTION DYNAMIQUE RECIPROQUE DES ROCHES MOUVANTES ET DU BOUCLIER COULISSANT GRADUELLEMENT. Org. 54-D.39-45041; CNRS-G/R-4459.
Order from CNRS: as G/R-4459

Trans. in French of Ugol Ukrainy (USSR) v8 n2 p15-6 1964.

TT-65-27331 Field 8I

Churakov, S. M.
CONTRIBUTION AU PROBLEME SUR LA VARIATION DES ANGLES LIMITES ET DES ANGLES DE DEPLACEMENT DANS UN MASSIF. Org. 54-D.100-44302; CNRS-G/R-4460.
Order from CNRS: as G/R-4460

Trans. in French of Ugol (USSR) v39 n4 p69-72 1964.

TT-65-27333 Field 8I

Budarev, V. S.
CALCUL DE CHARGEMENT D'UN TRANSPORTEUR A BANDE. Org. 54-E.130-44272; CNRS-G/R-4462.
Order from CNRS as G/R-4462

Trans. in French of Gornyi Zhurnal (USSR) n4 p129-37 1964.

TT-65-27334 Field 8I

Zhygalov, M. N.; Andreev, N. I.
CIMENTATION DES ROCHES A L'AIDE D'UNE SOLUTION ARGILLE-SCORIES. Org. 54-B.1150-44250; CNRS-G/R-4463.
Order from CNRS as G/R-4463

Trans. in French of Gornyi Zhurnal (USSR) n4 p25-7 1964.

TT-65-27335 Field 8I

Essikov, A. S.
EFFET ECONOMIQUE DE L'APPROFONDISSEMENT DES PUITS COMPRENANT PLUSIEURS ETAGES D'EXPLOITATION. Org. 54-B.13-40713t; CNRS-G/R-4464.
Order from CNRS as G/R-4464

Trans. in French of Shakhtnoe Stroitelstvo (USSR) v8 n5 p15-6 1964.

TT-65-27336 Field 8I

Rysev, G. S.; Maltsev, A. M.; Naumov, V. V.; Pnkelevich, M. D.; Zhegalin, Ya. A.
ENSEMBLE DE CREUSEMENT KPV-1.
Org. 54-B.14-44044; CNRS-G/R-4465.
Order from CNRS as G/R-4465

Trans. in French of Gornyi Zhurnal (USSR) n3 p48-51 1964.

TT-65-27337 Field 8I

Kotlyar, A. N.; Podolskii, N. D.
PROTECTION DES VOIES LORS DE L'EXPLOITATION DES COUCHES EN DRESSANT. Org. 54-B.20-45042; CNRS-G/R-4466.
Order from CNRS: as G/R-4466

Trans. in French of Ugol Ukrainy (USSR) v8 n2 p27-8 1964.

TT-65-27338 Field 8I

Levchenko, A. K.
EFFET ECONOMIQUE RESULTANT DE L'ABANDON DES DEBLAIS IV AU FOND, DANS L'EXPLOITATION DES COUCHES PENTEES OU EN PLATEURE DU DONBASS. Org. 54-B.30-44268; CNRS-G/R-4467.
Order from CNRS as G/R-4467

Trans. in French of Gornyi Zhurnal (USSR) n4 p77-87 1964.

TT-65-27339 Field 8I

Sonin, S. D.; Malkin, A. S.; Ostapenko, A. F.
ABANDON DES DEBLAIS DANS LA MINE.
Org. 54-E.50-43901; CNRS-G/R-4468.
Order from CNRS: as G/R-4468

Trans. in French of Ugol Ukrainy (USSR) v8 n2 p11-3 1964.

TT-65-27340 Field 8I

Khalangot, G. V.
PERFECTIONNEMENT DU CONTROLE DU TOIT

DES COUCHES PENTEES. Org.54-B.60-43731; CNRS-G/R-4469.
Order from CNRS: as G/R-4469

Trans. in French of Ugol (USSR) v39 n2 p15-8 1964.

TT-65-27342 Field 8I

Krichevski, R. M.; Karagodin, L. N.; Olikhovichenko, A. E.
QUELQUES PRECISIONS CONCERNANT LES REGLES SUR LA SECURITE DANS L'EXPLOITATION DES COUCHES DANGEREUSES DU POINT DE VUE D. I.
Org. 54-758-64-F.312-44615; CNRS-G/R-4653+.
Order from CNRS as G/R-4653+

Trans. in French of Unidentified Russian language article, p19-22 1963.

TT-65-27374 Field 8I

Derebizov, G. P.
INFLUENCE DE LA CHARGE AXIALE SUR LA VITESSE D'AVANCEMENT LORS DU FORAGE AVEC DES OUTILS DU TYPE FRAISE. Org. 131-TS-12; CNRS-G/R-4503.
Order from CNRS as G/R-4503

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v7 n1 p11-6 1964.
Another trans. is available in English from ETC $1.10 as TT-64-26429, BPM-Trans. 1599, MTWL-1230, 10p.

TT-65-27456 Field 8I

Aniola, J.; Malecki, Z.
DETERMINATION DE LA DIMENSION OPTIMALE DES INSTALLATIONS D'AGGLOMERATION SUR BANDE.
Org. 2-P.113 5093; CNRS-G/X-1640.
Order from CNRS as G/X-1640

Trans. in French of Hutnik (Poland) v30 n4 p110-20 1963.

TT-65-27458 Field 8I

Bilinski, A.; Sikora, W.
APPLICATION DES METHODES STATISTIQUES A L'ANALYSE DES RESULTATS D'EXPLOITATION DES TAILLES PAR FOUDROYAGE. Org. 54-R.22 38018; CNRS-G/X-1642.
Order from CNRS as G/X-1642

Trans. in French of Przeglad Gorniczy (Poland) v18 n4 p1-4 1962.

TT-65-27468 Field 8I

Breza, J.
HAVEUSE MULTIPLE KVB 32 POUR COUCHES DE FAIBLES PUISSANCE. Org. 54-C232-43950; CNRS-G/X-1672.
Order from CNRS: as G/X-1672

Trans. in French of Uhli (Czechoslovakia) v6 n3 p57-99 1964.

L. Snow, ice and permafrost

TT-65-12283 Field 8L

Alby, M.
GROUND FREEZING EXPERIMENTS. 37p, (figs omitted).
Order from SLA: $3.60 as TT-65-12283

Trans. of Annales des Ponts et Chaussees (France) v7 p338-88 1887.

M. Soil mechanics

TT-65-12370 Field 8M, 13M

Peltier, R.
GEOTECHNICAL CONSIDERATIONS ON THE BEARING CAPACITY OF HIGHWAY SOILS (Considerations Geotechniques sur la Portance des Sols Routiers). 56p.
Order from SLA: $5.60 as TT-65-12370

Trans. of International Conference on Soil Mechanics and Foundation Engineering (no. 3) Switzerland, 16-27 Aug 53. Proceedings, v3, n.p. 1953 p312-25.

N. Terrestrial magnetism

TT-65-62672 Field 8N, 22B

ON THE MEASUREMENT OF THE X-, Y-, AND Z-COMPONENTS OF THE GEOMAGNETIC FIELD ON SATELLITES AND ROCKETS (Ob Izmerenii X-, Y-, Z-Sostavlyayushchikh Geomagnitnogo Polya na Sputnikakh i Raketakh). 26 Jul 65, 11p, 3refs.
ATD-T-65-55; AD-618 465.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 465

Trans. of Kosmicheskie Issledovaniya (USSR) v3 n2 p231-6 1965.
Rept. on Surveys of Soviet-Bloc Scientific and Technical Literature.

09 ELECTRONICS AND ELECTRICAL ENGINEERING

A. Components

TT-65-62675 Field 9A

SOVIET AIRCRAFT CIRCUIT BREAKERS: ANNOTATED BIBLIOGRAPHY. 22 Jul 65, 22p, 25refs. ATD-T-65-54; AD-618 471.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 471

Rept. on Surveys of Soviet-Bloc Scientific and Technical Literature.

C. Electronic and electrical engineering

TT-65-12017 Field 9C

Burhorn, F.; Maecker, H.; Peters, T.
TEMPERATURE MEASUREMENTS ON WATER STABILIZED HIGH OUTPUT ARCS. 12p, (figs formulae omitted) 11refs.
Order from SLA: $1.60 as TT-65-12017

Trans. of Zeitschrift fuer Physik (West Germany)

v131 n1 p28-40 1951.
Another trans. is available from SLA as 58-2208, SC-T-53, 34p.

TT-65-12104 Field 9C

Mantel, W.
THE SIGNIFICANCE OF THE PHYSICAL PROCESS WITHIN THE WELDING ARC. 34p, (figs omitted) 6refs.
Available on loan from SLA: as TT-65-12104

Trans. of Schweissen und Schneiden (West Germany) v8 n8 p280-7 1956.
Another trans. is available from SLA $1.60 as TT-62-20099, 20p.

TT-65-12215 Field 9C

Ville, J.
THEORY AND APPLICATIONS OF THE NOTION OF COMPLEX SIGNAL. 42p.
Order from SLA: $4.60 as TT-65-12215

Trans. of Cables et Transmission (France) v2 n1 p61-74 1948.
Another trans. is available from SLA mi$3.00 ph$6.30 as TT-59-10824, (35p).

TT-65-12217 Field 9C

Kubota, S.
STUDY OF GRANULAR CARBON FOR TELEPHONE TRANSMITTERS. 13p, 4refs.
Order from SLA: $1.60 as TT-65-12217

Trans. of Tanso (Japan) n32 p22-7 1962.

TT-65-12221 Field 9C

Borghert, L.; Rau, K. L.
THE PARAMETERS OF INDUCTIVE LOAD CIRCUITS WHICH DETERMINE THE LIFE OF CONTACTS. 20p, 5refs.
Order from SLA: $1.60 as TT-65-12221

Trans. of Archiv der Elektrischen Uebertragung (West Germany) v18 n1 p60-6 1964.

TT-65-12229 Field 9C

Sinemus, E.; Vogt, H.
ON THE DESIGN OF COUNTING TRANSFLUXORS. 11p, 2refs.
Order from SLA: $1.60 as TT-65-12229

Trans. of Frequenz (West Germany) v18 n6 p183-6 1964.

TT-65-12234 Field 9C

Gerber, Th.
INSULATING CARBONACEOUS SURFACE LAYERS ON RELAY CONTACTS. 47p, 34refs.
Order from SLA: $4.60 as TT-65-12234

Trans. of PTT Technische Mitteilungen (Switzerland) v37 n8 p283-303 1959.

TT-65-12235 Field 9C

Bader, W.
TOPOLOGICAL PROBLEM OF PRINTED CIRCUITS AND ITS SOLUTION. 29p, 9refs.
Order from SLA: $2.60 as TT-65-12235

Trans. of Archiv fuer Elektrotechnik (West Germany) v49 n1 p2-12 1964.

TT-65-12241 Field 9C

Paulauskas, V. K.; Ilgunas, V. I.; Barsmauskas, K. M.
CONTRIBUTION TO THE PROBLEM OF SELECTING AND TUNING ELECTRICAL NETWORKS FOR AN ULTRASONIC INTERFEROMETER. 19p, 12refs.
Order from SLA: $1.60 as TT-65-12241

Trans. of Lietuvos Fizikos Rinkinys. (Lithuanian SSR) v2 n3/4 p385-97 1962.

TT-65-12303 Field 9C

Soukup, J.
FIRST PRACTICAL RESULATS WITH AN RLC SYNTHESIZER. 16p, 9refs.
Order from SLA: $1.60 as TT-65-12303

Trans. of Elektrotechnicky Obzor (Czechoslovakia) v51 n8 p401-6 1962.

TT-65-12307 Field 9C

Zhekulin, L. A.
TRANSIENT PROCESSES IN COAXIAL CABLES. 25p, 13refs.
Order from SLA: $2.60 as TT-65-12307

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, n9 p1243-60 1946.

TT-65-12355 Field 9C

Icole, J.; Oudin, J.
TIME DOMAIN ANALYSIS AND FILTERING (Analyse Temporelle et Filtrage). 34p.
Order from SLA: $3.60 as TT-65-12355

Trans. of Annales des Telecommunications (France) v7 n2 p99-108 1952.

TT-65-12381 Field 9C

Pinciroli, A.; Taraboletti, A.
MATRICES IN THE ANALYSIS OF LINEAR ACTIVE FOUR TERMINAL NETWORKS (Sull' Analisi Matriciale delle Reti Lineari Compredenti Quadripoli Attivi). 19p, 3refs.
Order from SLA: $1.60 as TT-65-12381

Trans. of Alta Frequenza (Italy) v18 n2 p73-82 1949.

TT-65-27266 Field 9C

Malyshev, B. D.; Yurgel, B. I.
SOUDAGE AUTOMATIQUE ET SEMI-AUTOMATIQUE A L'ARC DES TUBES D'ACIER BOUT A BOUT.
Org. 2-5085 P.616; CNRS-G/R-4395.
Order from CNRS as G/R-4395

Trans. in French of Avtomaticheskaya Svarka (USSR) v15 n8 p79-81 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27323 Field 9C

Spiridonov, V. I.
EXTINCTION DES ARCS DANS L'APPAREILLAGE

MINIER DE COMMANDE DE TENSION JUSQU'A 1000 V. Org. 54-H.50-44930; CNRS-G/R-4452.
Order from CNRS as G/R-4452

Trans. in French of Ugol Ukrainy (USSR) v8 n5 p27-8 1964.

TT-65-27362 Field 9C

Chekhovskoi, V. Ya.; Sheindlin, A. E.
FOUR DE LABORATOIRE A ELEMENT DU CHAUFFAGE EN GRAPHITE POUR ETUDES A DES TEMPERATURES ALLANT JUSQU'A 3.100C.
Org. 58-B.07.564; CNRS-G/R-4491.
Order from CNRS as G/R-4491

Trans. in French of Pribory i Tekhnika Eksperimenta (USSR) v8 n1 p197-9 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27369 Field 9C

Chentsov, R. A.
FIABILITE DE LA MATRICE COMPOSEE D'ELEMENTS DE MEMOIRE SUPRACONDUCTEURS DE CROWE.
Org. 73-330; CNRS-G/R-4498.
Order from CNRS as G/R-4498

Trans. in French of Akademiya Nauk SSSR. Institut Tochnoi Mekhaniki i Vychislitel'noi Tekhniki. Trudy, n9 p73 1962.

TT-65-27370 Field 9C

Chentsov, R. A.
ANALYSE DE FONCTIONNEMENT D'UN ELEMENT DE MEMOIRE SUPRACONDUCTEUR DE CROWE, EN TENANT COMPTE DU NON-ISOTHERMISME.
Org. 73-331; CNRS-G/R-4499.
Order from CNRS as G/R-4499

Trans. in French from Akademiya Nauk SSSR. Institut Tochnoi Mekhaniki i Vychislitel'noi Tekhniki. Trudy, n9 1962.

TT-65-27372 Field 9C

Bunimovich, V. I.; Morozov, V. A.
RECEPTION DES SIGNAUX FAIBLES PAR LA METHODE D'INTEGRATION BINAIRE.
Org. 113-BFT-1538; CNRS-G/R-4501.
Order from CNRS as G/R-4501

Trans. in French of Radiotekhnika i Elektronika (USSR) v7 n11 p1873-9 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62793 Field 9C

Egorov, B. A.
THE INVESTIGATION OF THE ELECTRO-MECHANICAL TRANSIENT PROCESSES IN FREQUENCY-CONTROLLED SYNCHRONOUS, REACTION-TYPE ELECTRIC MOTORS BY MEANS OF ELECTRONIC SIMULATION DEVICES.
Aug 65, 17p, 10refs. AERDL-T-1796-65; AD-618 739.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 739

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Elektromekhania (USSR) v7 n7 p848-57 1964.
Translated under Contract DA44 009AMC930T.

E. Subsystems

TT-65-12245 Field 9E, 12B

Popov, V. M.
STABILITY CRITERIA FOR NON-LINEAR SYSTEMS OF AUTOMATIC CONTROL BASED ON THE USE OF THE LAPLACE TRANSFORM. Paper presented at the Institut de Energetica, 3 Oct 58. 23p, 6refs.
Order from SLA: $2.60 as TT-65-12245

Trans of Academia Republicii Populare Romine. Institutul de Energetica. Studii si Cercetari de Energetica (Rumania) v9 n1 p119-35 1959.

TT-65-12286 Field 9E, 12B

Popov, V. M.
STABILITY CRITERIA FOR SOME TYPES OF NON-LINEAR AUTOMATIC SYSTEMS. 14p, 10refs.
Order from SLA: $1.60 as TT-65-12286

Trans. of Automatica si Electronica (Rumania) v5 n3 p105-9 1961.

TT-65-12287 Field 9E, 12B

Popov, V. M.
SUFFICIENCY CRITERIA FOR TOTAL COMPLETE ASYMPTOTIC STABILITY IN NON-LINEAR AUTOMATIC SYSTEMS WITH SEVERAL CONTROL DEVICES. 49p, 13refs.
Order from SLA: $4.60 as TT-65-12287

Trans. of Academia Republicii Populare Romine. Institutul de Energetica. Studii si Cercetari de Energetica (Rumania) v9 n4 p647-80 1959.

TT-65-62714 Field 9E, 13I

Blekhman, I. I.
PROBLEM OF SYNCHRONIZATION OF DYNAMIC SYSTEMS. 1 Jun 65, 46p, 79refs. FTD-MT-65-12; AD-618 650.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-618 650

Edited machine trans. of Prikladnaya Matematika i Mekhanika (USSR) v28 n2 p193-215 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

10 ENERGY CONVERSION (NON-PROPULSIVE)

A. Conversion techniques

TT-65-27427 Field 10A, 20I, 9C

Kachanov, P. V.; Yantovskii, E. I.
GENERATEUR A IMPULSION MAGNETO-GAZ-DYNAMIQUE DE COURANT ALTERNATIF.
Org. 178-190; CNRS-G/R-4556.
Order from CNRS as G/R-4556

Trans. in French of Patent (USSR) 143 172.
Patent appl. no. 695, 988/24, 2 Feb 61.
Another trans. is available in English from CFSTI, ETC or SLA $1.10 as TT-63-19472, FTD-TT-63-1 8, 9 Apr 63, 5p.

11 MATERIALS

B. Ceramics, refractories and glasses

TT-65-12333 Field 11B

Kishii, T.
SETTING POINT OF HARD-SOLDERED CERAMICS - TO - METAL SEAL. 13p, 5refs.
Order from SLA: $1.60 as TT-65-12333

Trans. of Yogyo KyokaiShi (Japan) v70 n12 p330-4 1962.

TT-65-12468 Field 11B

Vogel, W.
SECONDARY SEGREGATION PHENOMENA IN PHOSPHATE OPACIFIED BOROSILICATE GLASSES. 12p, 19refs.
Order from SLA: $1.60 as TT-65-12468

Trans. of Silikat Technik (East Germany) v15 n12 p383-7 1964.

TT-65-27307 Field 11B

Tsigler, V. D.; Vinokur, S. B.; Mitrokhina, N. S.
TENUE EN SERVICE D'ISOLANT LEGER DE FORSTERITE POUR LE REVETEMENT DE WAGONNETS DE FOURS. Org. 48-4688; CNRS-G/R-4436.
Order from CNRS as G/R-4436

Trans. in French of Ogneupory (USSR) v28 n11 p504-8 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27308 Field 11B

Grosheva, V. M.
TRAITEMENT THERMOCHIMIQUE DES CERAMIQUES A BASE DE CARBURE DE SILICIUM.
Org. 48-4744; CNRS-G/R-4437.
Order from CNRS: as G/R-4437

Trans. in French of Steklo i Keramika (USSR) v20 n10 p31-2 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27309 Field 11B

Ivakhina, L. A.; Gress, R. I.
NOUVEAUX TYPES DE REVETEMENT POUR LA CORRECTION DES DEFAUTS DE GLACURE DES ISOLATEURS. Org. 48-4745; CNRS-G/R-4438.
Order from CNRS: as G/R-4438

Trans. in French of Steklo i Keramika (USSR) v21 n3 p23-6 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27310 Field 11B

Matveev, M. A.; Ivakhin, S. I.; Gaidash, B. I.; Konoplyanikova, V. P.
ISOLATEURS POUR HAUTE TENSION AVEC LIGNES DE FUITES ELEVEES. Org. 48-4746; CNRS-G/R-4439.
Order from CNRS: as G/R-4439

Trans. in French of Steklo i Keramika (USSR) v21 n4 p36-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol 14, No. 2.

TT-65-27311 Field 11B

Revnivtsev, V. I.; Kropanev, S. I.; Perskov, V. V.
METHODES D'ENRICHISSEMENT DES FELDSPATHS EN POTASSE. Org. 48-4748; CNRS-G/R-4440.
Order from CNRS: as G/R-4440

Trans. in French of Steklo i Keramika (USSR) v21 n1 p28-33 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27312 Field 11B

Uteush, Z. V.; Kotik, P. L.; Emelyanov, D. S.; Uteush, E. V.
AUTOMATISATION DU BROYAGE EN BROYEUR A BOULETS. Org. 48-4749; CNRS-G/R-4441.
Order from CNRS as G/R-4441

Trans. in French of Ogneupory (USSR) v28 n12 p547-53 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27313 Field 11B

Iznosov, P. V.
TUYAUX POUR CANALISATIONS EN ARGILES FACILEMENT FUSIBLES. Org. 48-4752; CNRS-G/R-4442.
Order from CNRS: as G/R-4442

Trans. in French of Steklo i Keramika (USSR) v21 n2 p25-7 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27314 Field 11B

Matveev, M. A.; Smirnova, K. A.; Rodina, T. I.
UTILISATION DE WOLLASTONITE POUR LA FABRICATION DE CERAMIQUES FILTRANTES.
Org. 48-4754; CNRS-G/R-4443.
Order from CNRS: as G/R-4443

Trans. in French of Steklo i Keramika (USSR) v21 n2 p29-33 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27375 Field 11B

Samsonov, G. V.; Semenov, Yu. N.; Borodulin, P. Ya.
MATERIAU REFRACTAIRE A BASE DE NITRURE DE BORE. Org. 140-900-563; CNRS-G/R-4504.
Order from CNRS as G/R-4504

Trans. in French of Ogneupory (USSR) v27 n7 p332-6 1962.
Another trans. is available in English from CFSTI, ETC or SLA $1.10 as TT-63-13082, JPRS-16158, 13 Nov 62, 8p.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27378 Field 11B

Savitskii, E. M.; Kopetskii, Ch. V.; Burkhanov, G. S.
LES METAUX REFRACTAIRES ET LEUR ROLE DANS LA TECHNIQUE NOUVELLE. Org. 140-1047-1163;

CNRS-G/R-4507.
Order from CNRS as G/R-4507

Trans. in French of Akademiya Nauk SSSR. Vestnik, v33 n10 p29-36 1963.

TT-65-27436 Field 11B

Ivanov, V. I.; Pletenetskii, G. E.; Nechiporenko, E. P.
EFFET DES OXYDES HAUTEMENT REFRACTAIRES SUR LA FORCE THERMO-ELECTROMOTRICE DU TUNGSTENE MOLYBDENE ET TANTALE DANS LE VIDE A 1500C. Org. 178-400; CNRS-G/R-4565.
Order from CNRS as G/R-4565

Trans. in French of Ogneupory (USSR) v28 n7 p327-31 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-37435 Field 11B

Lukin, E. S.; Poluboyarinov, D. N.
QUELQUES PROPRIETES THERMO-MECANIQUES DES CERAMIQUES D'OXYDES PURS. Org. 178-399; CNRS-G/R-4564.
Order from CNRS as G/R-4564

Trans. in French of Ogneupory (USSR) v28 n7 p318-23 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62712 Field 11B

Toropov, N. A.
SITALLS, THE NEW INORGANIC MATERIAL IN MODERN TECHNOLOGY. 19 May 65, 10p.
FTD-TT-65-58; AD-618 648.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 648

Unedited rough draft trans. of Akademiya Nauk SSSR. Vestnik, n10 p43-6 1963.
Another trans. is available from HMSO $0.77, in NLL Translation Bulletin, 1964, v.6 no. 3 (p. 250-258).

E. Fibers and textiles

TT-65-11992 Field 11E

Tugeev, K. S.
APPARATUS FOR MEASURING THE RESISTANCE OF A BUNDLE OF TEXTILE FIBERS. 1p.
Order from SLA: $1.10 as TT-65-11992

Trans. of Patent (USSR) 157 420.
Patent filed 12 Jan 62 as No. 759,460/26-10.

TT-65-11994 Field 11E

METHOD AND LAY-OUT FOR MELT-SPINNING OF POLYCAPROAMIDE FILAMENTS. 14p.
Order from SLA: $1.60 as TT-65-11994

Trans. of Patent (Netherlands) 64 02 175.
Patented by Allied Chemical Corp., New York, USA, filed 4 Mar 64, granted 7 Sep 64 (Priority: U. S., No. 262,546, 4 Mar 63).
Another trans. is available from TC $13.00 as TC-552.

TT-65-12037 Field 11E

Schmiedeknecht, H.
PIGMENTATION OF MAN-MADE FIBERS. PART I. ASSESSMENT OF DELUSTERING PIGMENTS BASED ON TITANIUM DIOXIDE. 47p, 35refs.
Order from SLA: $4.60 as TT-65-12037

Trans. of Faserforschung und Textiltechnik (East Germany) v15 n5 p215-24 1964.
Other trans. are available from TC $23.00 as TC-433, 23p and SLA $2.60 as TT-65-12140, 23p.

TT-65-12062 Field 11E

Urazov, N. K.
CLASSIFICATION OF FABRIC ABRASION-TESTING APPARATUS. 9p, 20refs.
Order from SLA: $1.10 as TT-65-12062

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tekhnologiya Tekstil'noi Promyshlennosti (USSR) n6 p31-7 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12073 Field 11E

Philipp, B.; Reichert, H.; Tryonadt, A.; Groebe, V.
ON TITRATING ACID GROUPS IN HOMOPOLYMERS AND COPOLYMERS OF ACRYLONITRILE. Communication no. 7 of Analysis of Polyacrylonitrile Fibers. 31p, 10refs.
Order from SLA: $3.60 as TT-65-12073

Trans. of Faserforschung und Textiltechnik (East Germany) v15 n7 p304-15 1964.

TT-65-12078 Field 11E

Genyushova, S. G.; Shubaev, N. V.; Kolodner, D. K.
THE CHOICE OF OPTIMUM CONDITIONS FOR THE CONTINUOUS MERCERIZATION OF CELLULOSE. 14p, 1ref.
Order from SLA: $1.60 as TT-65-12078

Trans. of Khimicheskie Volokna (USSR) n3 p65-8 1963.

TT-65-12080 Field 11E

Lytkina, M. B.; Yaminskaya, E. Ya.; Troshkina, E. C.
THE PROPERTIES OF MERIL HIGH-TENACITY VISCOSE CORD AND ITS USE. 9p, 5refs.
Order from SLA: $1.10 as TT-65-12080

Trans. of Khimicheskie Volokna (USSR) n2 p37-40 1963.

TT-65-12082 Field 11E

Stroenov, V. B.; Denisenko, N. V.; Nemchenko, E. A.
DETERMINATION OF THE FATIGUE PROPERTIES OF (TIRE) CORD SUBJECTED TO REPEATED DEFORMATION ON MODERNIZED APPARATUS OF THE 5-24-1 TYPE (Opredelenie Ustalostnykh Svoistv Korda pri Mnogokratnom Izgibe na Modernizirovannom Pribore Tipa 5-24-1). 11p, 2refs.
Order from SLA: $1.60 as TT-65-12082

Trans. of Khimicheskie Volokna (USSR) n6 p31-4 1962.

TT-65-12083 Field 11E

Serkov, A. T.; Kotomina, I. N.; Kolchin, V. A.
RECOVERY OF ZINC SULFATE IN HIGH-TENACITY VISCOSE CORD PRODUCTION. 11p, 5refs.
Order from SLA: $1.60 as TT-65-12083

Trans. of Khimicheskie Volokna (USSR) n5 p30-2 1962.

TT-65-12084 Field 11E

Myagkov, V. A.; Nikonova, E. A.; Pakshver, E. A.
STRUCTURAL PROPERTIES OF VISCOSE AND THEIR EFFECT ON THE QUALITY OF TIRE CORD YARN. 15p, 13refs.
Order from SLA: $1.60 as TT-65-12084

Trans. of Khimicheskie Volokna (USSR) n5, p35-9 1963.

TT-65-12085 Field 11E

Druzhinina, T. V.; Andrichenko, Yu. D.; Konkin, A. A.; Rogovin, Z. A.
CARBON-CHAIN FIBERS. XXVII. FIBERS FROM COPOLYMERS OF ETHYLENE WITH PROPYLENE (Volokna iz Sopolimerov Etilena s Propilenom). 11p, (foreign text included) 9refs.
Order from SLA: $1.60 as TT-65-12085

Trans. of Khimicheskie Volokna (USSR) n3 p15-8 1963.

TT-65-12086 Field 11E

Philipp, B.; Baudisch, J.
EFFECT OF THE PROPORTION OF GEL PARTICLES OF THE VISCOSE SPINNING SOLUTIONS ON THE ULTRAMOLECULAR STRUCTURE OF REGENERATED CELLULOSE FIBERS. 22p, (figs omitted) 17refs.
Order from SLA: $2.60 as TT-65-12086

Trans. of Faserforschung und Textiltechnik (East Germany) v14 n7 p274-80 1963.
Other trans. are available from SLA $1.60 as TT-64-16364, 17p and $1.10 as TT-64-16174, 10p.

TT-65-12092 Field 11E

Zubov, Yu. A.; Markova, G. S.; Kargin, V. A.
X-RAY STUDY OF POLYETHYLENE, POLYCAPROAMIDE, AND POLY (ETHYLENE TEREPHTHALATE) FIBERS. 17p, 17refs.
Order from SLA: $1.60 as TT-65-12092

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v5 n8 p1771-7 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12097 Field 11E

Prati, G.; Errani, L.
VISCOMETRY OF CELLULOSE, WITH PARTICULAR REGARD TO COTTON. I. 24p.
Order from SLA: $2.60 as TT-65-12097

Trans. of Industria della Carta (Italy) v16 n11 p387-97 1962.

TT-65-12098 Field 11E

Shimko, I. G.; Kubin, A. A.; Voitsekhovskaya, E. S.; Tatevosyan, E. L.; Makarova, T. P.
UTILIZATION OF PLANT FOR CONTINUOUS MERCERIZATION IN VISCOE RAYON PRODUCTION. 13p, 4refs.
Order from SLA: $1.60 as TT-65-12098

Trans. of Khimicheskie Volokna (USSR) n3 p61-5 1963.

TT-65-12140 Field 11E

Schmiedeknecht, H.
THE PIGMENTATION OF SYNTHETIC FIBERS. PART I. THE EVALUATION OF TITANIUM DIOXIDE DELUSTERING PIGMENTS. 23p, 35refs.
Order from SLA: $2.60 as TT-65-12140

Trans. of Faserforschung und Textiltechnik (East Germany) v15 n5 p215-24 1964.
Other trans. are available from SLA $4.60 as TT-65-12037, 47p and from TC $43.00 as TC-433, 23p.

TT-65-12170 Field 11E

Pilz, G.
RATIO BETWEEN YARN AND PLY-YARN TWISTS. 5p.
Order from SLA: $1.10 as TT-65-12170

Trans. of Melliand Textilberichte (West Germany) v45 n1 p24-5 1964.

TT-65-12171 Field 11E

Maron, R.; Groebe, A.; Klare, H.; Casperson, G.
ATTEMPTS TO INVESTIGATE THE COAGULATIVE EFFECTS OF SPINNING BATHS FOR VISCOSE. Communication no. 18 on the Formation of Viscose Capillary Fibers. 16p, 18refs.
Order from SLA: $1.60 as TT-65-12171

Trans. of Faserforschung und Textiltechnik (East Germany) v14 n8 p313-9 1963.
Another trans. is available from SLA $1.10 as TT-64-10710, 8p.

TT-65-12173 Field 11E

Schiedeknecht, H.; Claus, W.
REACTIONS BETWEEN ALKALI LIQUOR AND CS2. Short Reports. 7p, 10refs.
Order from SLA: $1.10 as TT-65-12173

Trans. of Faserforschung und Textiltechnik (East Germany) v14 n9 p386-8 1963.

TT-65-12174 Field 11E

Treiber, E.; Abrahamson, B.; Lundin, H.
CONTRIBUTIONS TO THE UNDERSTANDING OF VISCOSE VISCOSITY. 13p, 13refs.
Order from SLA: $1.60 as TT-65-12174

Trans. of Holzforschung (West Germany) v18 n1/2 p33-8 1964.

TT-65-12175 Field 11E

Geitel, K.
THEORY OF AIR FLOW THROUGH FIBER PLUGS. 36p, 17refs.
Order from SLA: $3.60 as TT-65-12175

Trans. of Faserforschung und Textiltechnik (East Germany) v15 n1 p21-9 1964.

TT-65-12182 Field 11E

Geleji, F.; Holly, Z.
PREPARATION AND INVESTIGATION OF ACRYLONITRILE-VINYL CHLORIDE COPOLYMERS. 11p, 24refs.
Order from SLA: $1.60 as TT-65-12182

Trans. of Faserforschung und Textiltechnik (East Germany) v13 n10 p437-42 1962.
Another trans. is available from TC $11.00 as TC-520 (11p).

TT-65-12191 Field 11E

Matschat, K.
STUDIES ON THE RELATIONSHIPS BETWEEN CROSS-LINKING AND CHEMICAL FINISHING. 11p, 7refs.
Order from SLA: $1.60 as TT-65-12191

Trans. of Textil-Rundschau (Switzerland) v16 n9/10 p580-85 1961.

TT-65-12254 Field 11E

Lasse, R.
SYNTHETIC EMBEDDING AGENTS AND THEIR USE IN TEXTILE MICROSCOPY. 14p, 9refs.
Order from SLA: $1.60 as TT-65-12254

Trans. of Textil-Rundschau (Switzerland) v18 n11 p589-93 1963.

TT-65-12290 Field 11E

Cappuccio, V.; Coen, A.; Bertinotti, F.; Conti, W.
FIBERS FROM ISOTACTIC POLYPROPYLENE. Paper presented at the Gordon Research Conferences on Textiles, New London, U. S. A., 12 Jul 61. 24p, 22refs.
Order from SLA: $2.60 as TT-65-12290

Trans. of la Chimica e l'Industria (Italy) v44 n5 p463-73 1962.
Other trans. are available from SLA $3.60 as TT-62-18672, 32p and from CTS(Chem) $21.20 (subsequent copies $3.50/ea) as CTS(Chem)-292, 5300words.

TT-65-12323 Field 11E

Rogovina, A. A.
INVESTIGATION OF THE CAUSES OF FATIGUE BREAKDOWN OF TIRE CORD. 10p.
Order from SLA: $1.10 as TT-65-12323

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tekhnologiya Tekstil'noi Promyshlennosti (USSR) n1 p34-8 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12332 Field 11E

Groebe, A.; Maron, R.; Klare, H.
FORMATION REACTION OF SINGLE VISCOSE FILAMENTS. 13. MECHANISM OF FORMATION OF REGENERATED CELLULOSIC FIBERS. 30p, (figs omitted) 30refs.
Order from SLA: $2.60 as TT-65-12332
Trans. of Faserforschung und Textiltechnik (West Germany) v12 n5 p196-207 1961.

TT-65-27231 Field 11E

Maematsu, R.; Miyagawa, K.
ETUDE DE L'UTILISATION DES FIBRES SYNTHETIQUES. VII. 12p, 8refs. CNRS-VI 1211.
Order from ETC: $1.60 as TT-65-27231

Trans. in French of Unidentified Japanese language article, n. d.
Also available from CNRS.

TT-65-62705 Field 11E, 13H

Izmailova, L. K.; Bartenev, G. M.
STUDYING THE CONDITIONS OF MANUFACTURING GLASS FIBERS WITHOUT SURFACE DEFECTS. 19 May 65, 13p. FTD-TT-64-1172; AD-618 641.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 641

Unedited rough draft trans. of Steklo i Keramika (USSR) v21 n3 p12-6 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Available copy will not permit fully legible reproduction.

TT-65-62814 Field 11E, 7C, 7E

Savranskaya, S. D.; Trubitsina, S. N.; Askarov, M. A.
POLYMERIZATION OF ACRYLONITRILE IN PRESENCE OF FURAN DERIVATIVES. 22 Jul 65, 12p, 8refs. FTD-TT-65-413; AD-618 902.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 902

Unedited rough draft trans. of mono. Karbotsepnye Vysokomolekulyarnye Soedineniya. Sbornik Statei, n.p., 1963 p20-5.

F. Metallurgy and metallography

TT-65-12019 Field 11F

Dunk, G. von der; Dembeck, H.; Ober, G.
PROCESS FOR THE REMOVAL OF CYANIDES FROM TOP-GAS WASH WATER BY USE OF POLYPHOSPHATES. 26p, 18refs.
Order from SLA: $2.60 as TT-65-12019

Trans. of Stahl und Eisen (West Germany) v84 n5 p259-64 1964.
Another trans. is available from BISI L5 as BISI-3697.

TT-65-12031 Field 11F

PROCESS FOR CARRYING OUT CHEMICAL, METALLURGICAL, OR OTHER MELTING PROCESSES TAKING PLACE AT HIGH TEMPERATURES, E. G., FOR THE PRODUCTION OF CALCIUM CARBIDE, FERRO-ALLOYS ALUMINA CEMENT. 6p, 10refs.
Order from SLA: $1.10 as TT-65-12031

Trans. of Patent (Germany) 749 053.
Patent cl 12g, gr 1 01, filed 22 Apr 40, granted 27 Apr 44, pub. 15 Nov 44.

TT-65-12325 Field 11F, 13H

White, F. E.; Rossard, C.
THE INFLUENCE OF COPPER AND TIN ON THE INTRINSIC FORGEABILITY OF MILD STEELS. 6p, (figs, tables, refs omitted).
Order from SLA: $1.10 as TT-65-12325

Trans. of Revue de Metallurgie (France) v59 n3 p237-41

1962.
Other trans. are available from SLA $1.10 as TT-62-16838, 6p and from BISI L2 10s as BISI-2928.

TT-65-12346 Field 11F

Rose, A.
THE COOLING ABILITY OF STEEL QUENCHING AGENTS (Das Abkuehlungsvermoegen von Stahl-Abschreckmitteln). 38p, 18refs.
Order from SLA: $3.60 as TT-65-12346

Trans. of Archiv fuer das Eisenhuettenwesen (Germany) v13 p345-54 1940.

TT-65-12368 Field 11F

Wentrup, H.; Reif, O.
ON THE SOLUBILITY OF NITROGEN IN IRON MELTS WITH CHROMIUM, MANGANESE AND NICKEL ADDITIONS (Ueber die Loeslichkeit von Stickstoff in Eisenschmel zen mit Chrom, Mangan-und Nickelzusaetzen). 16p, 11refs.
Order from SLA: $1.60 as TT-65-12368

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v20 n11/12 p359-62 1949.
Another trans. is available from SLA $1.60 as TT-63-16837, 17p.

TT-65-12382 Field 11F

Kuhlmann, D.
SLIP LINES (Gleitlinien). 42p, (figs omitted) 97refs.
Order from SLA: $4.60 as TT-65-12382

Trans. of Zeitschrift fuer Metallkunde (West Germany) v41 n5 p129-40 1950.

TT-65-12388 Field 11F

Hofmann, W.; Schuhmacher, G.
THE ORIENTATION RELATIONSHIP BETWEEN AUSTENITE, THE INTERMEDIATE STAGE STRUCTURE AND MARTENSITE (Orientierungszusammenhaenge Zwischen Austenit, Zwischenstufengefuege und Martensit). 23p, 26refs.
Order from SLA: $2.60 as TT-65-12388

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v26 n2 p99-104 1955.

TT-65-27241 Field 11F

Rafalski, V.
PREPARATION ELECTROLYTIQUE DE L'URANIUM ET DU THORIUM A PARTIR DE SELS FONDUS. 35p.
CNRS-VIIIb 1133.
Order from ETC: $3.60 as TT-65-27241

Trans. in French from Yugoslav-Polish Symposium on the Technology and Metallurgy of Uranium, Zakopane (no. 2) 3-9 Sep 63.

TT-65-27262 Field 11F

Zhikharevich, S. A.; Karaulov, A. G.; Safronova, I. P.; Panich, B. I.; Dryapik, E. P.
REMPLACEMENT DES BOUCHONS EN ACIER PAR DES DALLES GRAPHITEES DANS LES BASES DE LINGOTIERES. Org. 2-5079 P.312; CNRS-G/R-4391.
Order from CNRS as G/R-4391

Trans. in French of Ogneupory (USSR) v28 n10 p437-43 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27263 Field 11F

Kiselev, I. M.
EMPLOI DU SABLE DE ZIRCON COMME REFRACTAIRE DE POCHE D'ACIERIE. Org. 2-5080 P.311; CNRS-G/R-4392.
Order from CNRS as G/R-4392

Trans. in French of Metallurgicheskaya i Gornorudnaya Promyshlennost' (USSR) n5(23) p34-6 1963.

TT-65-27264 Field 11F

Bron, V. A.; Semavina, K. P.
EMPLOI DE BETONS A BASE DE LAITIER D'OXYDE DE CHROME ET D'ALUMINE DANS LES INSTALLATIONS SIDERURGIQUES. Org. 2-5081 C.776; CNRS-G/R-4393.
Order from CNRS as G/R-4393

Trans. in French of Ogneupory (USSR) v28 n9 p385-8 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27265 Field 11F

Shakhlin, V. I.; Tarasov, A. F.; Salmanov, G. D.
ESSAIS DE BLOCS DE BETONS REFRACTAIRES DANS LES PAROIS D'UN FOUR PIT. Org. 2-5082 P.413 C.776; CNRS-G/R-4394.
Order from CNRS as G/R-4394

Trans. in French of Ogneupory (USSR) v28 n9 p397-400 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27267 Field 11F

Kocho, V. S.; Korotkevich, V. N.
ETUDE DE LA TEMPERATURE DU BAIN DANS DES FOURS DE FUSION DE METAUX FERREUX.
Org. 2-5086 C.623; CNRS-G/R-4396.
Order from CNRS as G/R-4396

Trans. in French of Metallurgicheskaya i Gornorudnaya Promyshlennost (USSR) n4(22) p64-6 1963.

TT-65-27268 Field 11F

Karmazin, V. I.; Gubin, G. V.; Kucher, A. M.
ESSAI D'UN FOUR A QUATRE ZONES POUR LE GRILLAGE MAGNETISANT DE MINERAIS DE FER.
Org. 2-5090 P.112; CNRS-G/R-4397.
Order from CNRS: as G/R-4397

Trans. in French of Stal' (USSR) v23 n6 p494-7 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27269 Field 11F

Nichiporenko, O. S.
CONTRIBUTION AU CALCUL DES REACTEURS POUR LA REDUCTION DES MINERAIS DE FER EN LIT FLUIDISE. Org. 2-5092 P.939; CNRS-G/R-4398.
Order from CNRS as G/R-4398

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) v6 n11 p30-6 1963.

TT-65-27270 Field 11F

Mogilchenko, V. S.; Nikitenko, V. D.; Mininzon, R. D.; Rudneva, N. V.
RECARBURATION SUPERFICIELLE DE BARRES EN ACIERS A OUTILS ET ACIERS POUR ROULEMENTS.
Org. 2-5099 P.594; CNRS-G/R-4399.
Order from CNRS: as G/R-4399

Trans. in French of Stal' (USSR) v23 n9 p838-40 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27271 Field 11F

Skoblo, S. Ya.
INFLUENCE DES DIMENSIONS ET DE LA CONICITE DES LINGOTS D'ACIERS SUR LEUR SOLIDIFICATION.
Org. 2-5100 P.303; CNRS-G/R-4400.
Order from CNRS: as G/R-4400

Trans. in French of Stal' (USSR) v22 n3 p219-23 1962.
See also 'Translated or Abstracted Publications,' in TT Vol 14, No. 2.

TT-65-27272 Field 11F

Shakhlin, V. I.; Shunin, T. G.; Tarasov, A. F.; Kulakov, A. M.
ESSAIS D'UTILISATION DE BETONS REFRACTAIRES DANS LES REVETEMENTS DE FOURS MARTIN.
Org. 2-5084 P.221 C.776; CNRS-G/R-4401.
Order from CNRS as G/R-4401

Trans. in French of Ogneupory (USSR) v28 n8 p364-7 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27274 Field 11F

Vishkarev, A. F.; Kondakov, V. V.
DECOMPOSITION DES INCLUSIONS NON METALLIQUES PAR TRAITEMENT SOUS VIDE DE L'ACIER.
Org. 2-IRSID-2097 P.202/333; CNRS-G/R-4403.
Order from CNRS as G/R-4403

Trans. in French of mono. Primenenie Vakuuma v Metallurgii, Moscow, p230-42 1960.

TT-65-27275 Field 11F

Yushevich, P. M.
AU SUJET DES CHANGEMENTS SURVENANT DANS LA STRUCTURE FINE D'UN ACIER TREMPE A COUPE RAPIDE DURANT LE REVENU. Org. 2-IRSID-2112 U. 542 P.535; CNRS-G/R-4404.
Order from CNRS as G/R-4404

Trans. in French from Akademiya Nauk URSR, Kiev. Dopovidi, n8 1960.

TT-65-27365 Field 11F

Predbrazhenskii, A.; Efimov, I. P.
UNE FONDERIE MECANISEE DE MOULAGE DE PRECISION. Org. 66-3547; CNRS-G/R-4494.
Order from CNRS.as G/R-4494

Trans. in French of Liteinoe Proizvodstvo (USSR) n1 p2-6 1951.

TT-65-27366 Field 11F

Ivanov, V. A.; Kim, G. P.
SERIES EXPERIMENTALES DE MOULAGES DE PRECISION DE ROTORS ET DE TURBINE EN ACIER EI 572. Org. 66-3548; CNRS-G/R-4495.
Order from CNRS as G/R-4495

Trans. in French of Liteinoe Proizvodstvo (USSR) n3 p92-3 1961.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27367 Field 11F

Ivanov, V. I.; Baranov, A. V.
OXYDATION ET DECARBURATION SUPERFICIELLES DES PIECES MOULEES SELON LE PROCEDE A LA CIRE PERDUE. Org. 66-3549; CNRS-G/R-4496.
Order from CNRS as G/R-4496

Trans. in French of Liteinoe Proizvodstvo (USSR) n3 p107-9 1961.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27368 Field 11F

Todorov, R. P.; Koshovnik, G. I.
RECUIT D'HOMOGENEISATION DE LA FONTE A GRAPHITE SPEROIDAL. Org. 66-3551; CNRS-G/R-4497.
Order from CNRS as G/R-4497

Trans. in French of Metallovedenie i Termicheskaya Obrabotka Metallov (USSR) n8 p10-1 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27381 Field 11F

Khorev, A. I.; Moiseev, V. N.; Gruzdeva, L. A.; Morozov, L. N.
INFLUENCE DE L'OXYGENE SUR LES PROPRIETES ET LE TRAITEMENT THERMIQUE DE L'ALLIAGE DE TITANE VT14. Org. 140-1109-164; CNRS-G/R-4510.
Order from CNRS as G/R-4510

Trans. in French of Tsvetnye Metally (USSR) v36 n11 p69-74 1963.
Another trans. is available in English from CFSTI or ETC $0.50 as TT-64-21203, JPRS-22595, N64-12151, 3 Jan 64. 9p.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27404 Field 11F

Pashkov, I. O.; Starchevska, O. O.
ETUDE DE L'ACTIVATION DE LAITIERS GRANULES PAR QUELQUES PRODUITS BASIQUES. Org. 167-64/T.78; CNRS-G/R-4533.
Order from CNRS as G/R-4533

Trans. in French of Akademiya Nauk URSR. Kiev. Dopovidi, n4 p514-7 1964.

TT-65-27448 Field 11F

Kodama, K.; Shigemi, A.; Ono, K.; Ogata, T.; Kanoshima, H.
ETUDE DES ACCROCHAGES DANS LES HAUTS FOURNEAUX. ACCROCHAGES PROVOQUES PAR LA MISE EN FLUIDISATION DE LA CHARGE.
Org. 2-P.132-5059; CNRS-G/X-1616.
Order from CNRS as G/X-1616

Trans. in French of Tetsu to Hagane (Japan) v49 n6 p883-8 1963.

TT-65-27449 Field 11F

Kawamura, K.; Kitayama, M.; Ichijima, I.
PROBLEMES POSES PAR L'ECHANTILLONNAGE DU BAIN D'ACIER EN VUE DU CONTROLE DE LA TENEUR EN CARBONE AU QUANTOVAC. Org. 2-A-42-5064; CNRS-G/X-1617.
Order from CNRS as G/X-1617

Trans. in French of Fuji Seitetsu Giho (Japan) v12 n1 p67-74 1963.

TT-65-27450 Field 11F

Yagihashi, T.; Asada, K.; Atarashiya, K.; Ichinohe, S.; Hanada, H.
ETUDE DES PROPRIETES ET DE LA REDUCTION DES MINERAIS DE MANGANESE. MINERAIS DE MANGANESE POUR LA PRODUCTION DE FERRO-MANGANESE A HAUT CARBONE. Org. 2-P.910-5087; CNRS-G/X-1618.
Order from CNRS: as G/X-1618

Trans. in French of Tetsu to Hagane (Japan) v49 n7 p971-5 1963.

TT-65-27451 Field 11F

Kodama, K.; Shigemi, A.; Horio, T.; Takahashi, R.
ETUDE DES ACCROCHAGES DANS LES HAUTS FOURNEAUX. INFLUENCE D'UNE AUGMENTATION DE LA VITESSE DE DEPOT DE CARBONE.
Org. 2-P.132-5088; CNRS-G/X-1619.
Order from CNRS: as G/X-1619

Trans. in French of Tetsu to Hagane (Japan) v49 n7 p976-82 1963.

TT-65-27452 Field 11F

Hara, T.
ETUDE DU CRIQUAGE THERMIQUE DES LINGOTS D'ACIER, GRADIENTS DE TEMPERATURE AU COURS DU RECHAUFFAGE. Org. 2-P.413-5095; CNRS-G/X-1620.
Order from CNRS as G/X-1620

Trans. in French of Tetsu to Hagane (Japan) v49 n11 p1669-75 1963.

TT-65-27461 Field 11F

Koselev, V.; Burda, S.
INFLUENCE DE LA CRISTALLISATION DENDRITIQUE SUR LES DEFAUTS DE L'ACIER.
Org. 2-P.332 5063; CNRS-G/X-1665.
Order from CNRS as G/X-1665

Trans. in French of Hutnik (Czechoslovakia) v1 n6 p268-76 1961.
Another trans. is available in English from HB $15.90 as HB-5215.

TT-65-27462 Field 11F

Zamyslovsky, Z.
PROGRES REALISES EN MATIERE DE LAMINOIRS DEGROSSISSEURS. Org. 2-P.421 5098; CNRS-G/X-1666.
Order from CNRS as G/X-1666

Trans. in French of Hutnik (Czechoslovakia) v13 n8 p390-2 1963.

TT-65-27463 Field 11F

Pucillo, V. P.; Alekperov, M. P.; Strachov, V. P.
EMPLOI D'UNE CALCULATRICE NUMERIQUE POUR LA COORDINATION DE L'EXPLOITATION DES FOURS PITS. Org. 2-IRSID-2217 P.413-421; CNRS-G/X-1667.
Order from CNRS as G/X-1667

Trans. in French of Hutnicke Listy (Czechoslovakia) v17 n5 p333-8 1962.

TT-65-27464 Field 11F

Balas, Vr.
PERFECTIONNEMENT DE LA SOUPAGE A INDIUM.
Org. 30-1.1.42; CNRS-G/X-1668.
Order from CNRS as G/X-1668

Trans. in French of Ceskoslovensky Casopis pro Fysiku, v12 n5-6 p651-2 1962.

TT-65-62659 Field 11F

Keerus, Kh. V.; Saar, M. M.; Tiismus, Kh. A.
ON STABILITY OF CERTAIN MATERIALS IN LIQUID ALUMINUM. 3 Jun 65, 15p, 9refs. FTD-MT-64-513; AD-618 316.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 316

Edited machine trans. of Politekhnicheskii Institut, Tallinn. Trudy (Estonian SSR) sA n197 p155-65 1962.

G. Miscellaneous materials

TT-65-12204 Field 11G

Manneck, H.
BLEACHING AGENTS: ACTIVATION, STABILIZATION. 15p.
Order from SLA: $1.60 as TT-65-12204

Trans. of Seifen-Oele-Fette-Wachse (West Germany) v89 n20 p605-8 1963.

TT-65-62698 Field 11G, 7D

Rasskazov, D. S.; Babikov, Yu. M.; Khamann, K.
EFFECT OF HEAT DISINTEGRATION ON THE THERMOPHYSICAL PROPERTIES OF MONOISOPROPYLDIPHENYL. 14 Jul 65, 13p, 12refs. FTD-TT-65-344; AD-618 634.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 634

Unedited rough draft trans. of Teploenergetika (USSR) v11

n9 p71-3 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

H. Oils, lubricants, and hydraulic fluids

TT-65-12450 Field 11H

Mazet, L.
EVALUATION OF THE LUBRICANT PROPERTIES OF GREASES BY THE MECHANIC METHODS. 12p, (figs omitted).
Order from SLA: $1.60 as TT-65-12450

Trans. of Chimie Analytique (France) v42, n6 p287-99 1960.

TT-65-27227 Field 11H

Shor, G. I.; Zaslavskii, Yu. S.; Morozova, I. A.; Ryabova, D. V.
ASPECTS ELECTROCHIMIQUES DU MECANISME D'ACTION DES ADJUVANTS DETERSIFS ADDITIONNES AUX HUILES A MOTEUR. 18p, 31refs.
CNRS-VI-1202.
Order from ETC: $1.60 as TT-65-27227

Trans. in French of Khimiya i Tekhnologiya Topliv i Masel (USSR) v7 n8 p58-66 1962.
Other translations are available in English from ETC $1.60 as TT-63-26590, MTWL-1136, 20p., and from CFSTI, ETC or SLA $1.60 as TT-64-13001, TRC-Trans-1077, 1963, 18p.
Also available from CNRS.

I. Plastics

NCH-201 761 Field 11I, 7C, 7D

CATALYTIC SYSTEM FOR THE POLYMERIZATION OF DIOLEFINS. 1965, 8p. WFK-130.
Order from WFK: $16.00 as WFK-130

Trans. of Patent (France) 1 376 351.
Patented by Montecatini, Societa Generale per l'Industria Mineraria e Chimica, granted 14 Sep 64, Class C 08d (priority Italy, 12 Dec 62).

TT-65-12081 Field 11I

Mitrofanov, Yu. A.; Zhilin, V. A.
AUTOMATIC DEVICE FOR MEASURING THE MOISTURE CONTENT OF CELLOPHANE (Avtomaticheskii Pribor dlya Izmereniya Vlazhnosti Tsellofana). 6p, (foreign text included).
Order from SLA: $1.10 as TT-65-12081

Trans. of Khimicheskie Volokna (USSR) n3 p41-2 1963.

TT-65-12096 Field 11I

Pesta, O.; Sinwel, F.
IMPROVING THE COLD STRENGTH OF ISOTACTIC POLYPROPYLENE. 7p, 2refs.
Order from SLA: $1.10 as TT-65-12096

Trans. of der Plastverarbeiter (West Germany) v13 n12 p643-4 1962.

TT-65-12103 Field 11I

Dannis, M. L.; Ramp, F. L.
VINYL COMPOSITIONS WITH BETTER RESISTANCE TO HIGH TEMPERATURES. 69p.
Order from SLA: $6.60 as TT-65-12103

Trans. of Patent (France) 1 220 932.
Patent file No. 783,424, internat'l cl C 08 f, by The B. F. Goodrich Co., USA, filed 7 Jan 59, granted 11 Jan 60, pub. 30 May 60 (Priority: U. S., 8 Jan 58).

TT-65-12136 Field 11I

Holz, R.
TESTS ON PLASTIC FILMS. 37p, 12refs.
Order from SLA: $3.60 as TT-65-12136

Trans. of Materialpruefung (West Germany) v5 n5 p177-84 1963.

TT-65-12181 Field 11I

Gallup, W. A.; Semancik, J. R.
IMPROVEMENT IN VINYL HALIDE POLYMERS. 19p.
Order from SLA: $1.60 as TT-65-12181

Trans. of Patent (Belgium) 646 518.
Patented by Diamond Alkali Co., Cleveland, Ohio, USA, n.d. (Priority: U. S., No. 272,897 15 Apr 63).

TT-65-12243 Field 11I

Richard, K.; Gaube, E.
THE COLD-DRAWING OF LOW-PRESSURE POLYETHYLENE. 16p (some figs not reproducible) 7refs.
Order from SLA: $1.60 as TT-65-12243

Trans. of Kunststoffe (West Germany) v46 n6 p262-9 1956.
Other trans. are available from $1.60 as TT-65-10712, 18p and as 57-1063, 29p.

TT-65-12252 Field 11I

Scalari, F.
CELLULAR POLYPROPYLENE (MOPLEN) OR POLYETHYLENE (ROTENE) FOR PRIMARY INSULATION OF CABLES. 9p.
Order from SLA: $1.10 as TT-65-12252

Trans. from International Congress of Plastics (no. 14) 26-27-28 Sep 62. Proceedings.
Congress held during the International Technical Exhibition (no. 12), European Exhibition of Plastic Materials (no. 9) 22 Sep - 2 Oct 62.

TT-65-12466 Field 11I

Richard, K.; Diedrich, G.; Gaube, E.
MULTIAXIALLY FIXED FOILS FROM LOW-PRESSURE POLYOLEFINS. PROPERTIES AND PROBLEMS OF THE STRETCHING AND TESTING. 18p, 2refs.
Order from SLA: $1.60 as TT-65-12466

Trans. of Kunststoffe (West Germany) v49 p671-8 1959.
Another trans. is available from SLA mi$2.40, ph$3.30 as TT-60-14535, 18p.

TT-65-27192 Field 11I

Suminoe, T.; Yamazaki, N.; Kambara, S.
COPOLYMERISATION ENTRE LE PROPYLENE ET LE

BUTADIENE OU L'ETHYLENE A L'AIDE DES CATALYSEURS DU MODELE ZIEGLER. 19p, (foreign text included) 9refs. CNRS-VIII 258.
Order from ETC: $1.60 as TT-65-27192

Trans. in French of Kobunshi Kagaku (Japan) v20 n219 p461-6 1963.
Another trans. is available in English from (ATS) $14.50 as ATS-40R75J, Apr 64, 9p.
Also available from CNRS.

TT-65-27214 Field 11I

Chrzczonowicz, S.
PROCEDE DE POLYMERISATION DU E-CAPROLACTAME. 7p. CNRS-VIII 259.
Order from ETC: $1.10 as TT-65-27214

Trans. in French of Patent (Poland) 41 536. Patent filed 23 Sep 57, pub. 20 Jul 58.
Also available from CNRS.

TT-65-27376 Field 11I

Topchiev, A. V.; Alaniya, V. P.; Vagin, M. F.
SYNTHESE DU FLUORONITROSTYRENE ET ETUDE DE SA CAPACITE DE POLYMERISATION. Org. 140-966-863; CNRS-G/R-4505.
Order from CNRS as G/R-4505

Trans. in French of Akademiya Nauk SSSR. Doklady, v151 n1 p114-6 1963.

TT-65-27383 Field 11I

Akutin, M. S.; Kovarskaya, B. M.
METHODE PYROLYTIQUE DE SYNTHESE DES COPOLYMERES. Org. 140-1143-264; CNRS-G/R-4512.
Order from CNRS as G/R-4512

Trans. in French of Akademiya Nauk SSSR. Doklady, v154 n2 p369-71 1964.

TT-65-62809 Field 11I, 7D

Alekseeva, I. A.; Semerneva, G. A.; Samarina, L. A.; Bulatov, M. A.; Spasskii, S. S.
SYNTHESIS, POLYMERIZATION, AND COPOLYMERIZATION OF POLYORGANOSILOXANES CONTAINING METHACRYLATE GROUPS. II. INVESTIGATION OF POLYMERIZATION BY MEANS OF IR SPECTRA. 3 Nov 64, 9p, 6refs. RSIC-160; AD-618 878.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 878

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v6 n2 p265-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

J. Rubbers

TT-65-12440 Field 11J

Runge, F.; John, H.
CHLORINATED RUBBER FROM BUNA. 7p, 6refs.
Order from SLA: $1.10 as TT-65-12440

Trans. of Chemische Technik (East Germany) v7 n9 p526-9 1955.

TT-65-27405 Field 11J

Kastorskii, L. P.; Mednikova, I. N.
ANALYSE DU CAOUTCHOUC CIS-BUTADIENE PAR SPECTROSCOPIE IR. Org. 177-DOC/2774; CNRS-G/R-4534.
Order from CNRS as G/R-4534

Trans. in French of Kauchuk i Rezina (USSR) v22 n3 p55-7 1963.
Another trans. is available in English from CFSTI, HC$1.00, MF$0.50 as TT-64-71379, FTD-TT-64-459, AD-605 802, 8p.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

K. Solvents, cleaners and abrasives

TT-65-12209 Field 11K

Stache, H.
ALKALI IN MODERN WASHING PROCESSES. 10p.
Order from SLA: $1.10 as TT-65-12209

Trans. of Seifen Oele-Fette-Wachse (West Germany) v89 n12 p367-70 1963.

TT-65-12279 Field 11K

Fischer, W. K.
METHODS OF IDENTIFICATION OF DETERGENTS. 17p, 44refs.
Order from SLA: $1.60 as TT-65-12279

Trans. of Muenchner Beitraege zur Abwasser-, Fischerei- und Flussbiologie (West Germany) v9 p163-83 1962.

L. Wood and paper products

TT-65-12002 Field 11L

Stroele, U.; Teves, D.
THE CONTROL OF PITCH PROBLEMS WITH DISPERSANTS. 20p, (7 figs omitted) 5refs.
Order from SLA: $1.60 as TT-65-12002

Trans. of das Papier (West Germany) v10 n13/14 p264-70 1956.

TT-65-12135 Field 11L

Yoshii, T.; Yamada, H.
EXTRAORDINARY EFFECTS OF COMBINATIONS OF POLYACRYLAMIDE AND DIALDEHYDE STARCH AS BEATER OR WET END ADDITIVES. 10p.
Order from SLA: $1.10 as TT-65-12135

Trans. of Kami Parupi Gijutsu Kyokai Shi (Japan) v17 n8 p505-9 1963.

TT-65-12301 Field 11L

Alfthan, P. G.
ESTIMATION OF THE SAMPLING ERROR IN DIRT CONTROL OF PULP AND PAPER DUE TO RANDOM DISTRIBUTION OF THE DIRT SPECKS. 6p, 6refs.
Order from SLA: $1.10 as TT-65-12301

Trans. of Paperi ja Puu (Finland) v33 n3 p53-6 1951.

12 MATHEMATICAL SCIENCES

A. Mathematics and statistics

TT-65-12109 Field 12A

Letov, A. M.
THE CONNECTION OF THE LYAPUNOV FUNCTION WITH THE OPTIMAL PROBLEM (Svyaz Funktsif Lyapunova s Problemoi Optimainosti). 23p, 9refs.
Order from SLA: $2.60 as TT-65-12109

Trans. of mono. Ustoichivost Nelineinykh Reguliruemykh Sistem, n.p. 1962 p460-77.

TT-65-12112 Field 12A

Forster, O.
VALUES OF FUNCTIONS AS BOUNDARY INTEGRALS IN COMPLEX SPACES (Funktionswerte als Randintegrale in Komplexen Raeumen). 14p, 25refs.
Order from SLA: $1.60 as TT-65-12112

Trans. of Mathematische Annalen (West Germany) v150 n4 p317-24 1963.

TT-65-12116 Field 12A

Heinz, E.
ABOUT CERTAIN ELLIPTIC SYSTEMS OF DIFFERENTIAL EQUATIONS OF THE SECOND ORDER WITH APPLICATION OF THE MOG MONGE-AMPERE EQUATION (Uber Gewisse Elliptische Systems von Differentialgleichungen Zweiter Ordnung mit Anwendung auf die Monge-Amperesche Gleichung). 32p, 17refs.
Order from SLA: $3.60 as TT-65-12116

Trans. of Mathematische Annalen (West Germany) v131 n5 p411-28 1956.

TT-65-12120 Field 12A

Godunov, S. K.
ON THE NUMERICAL SOLUTION OF BOUNDARY VALUE PROBLEMS FOR SYSTEMS OF LINEAR ORDINARY DIFFERENTIAL EQUATIONS (A Chi'slyennom Ryeshe'nii Kraevakh Zadach dlya Sistye'm Linyeynakh Abaknavyennakh Differentsial'nakh Coravnenii'). 8p, 2refs.
Order from SLA: $1.10 as TT-65-12120

Trans. of Uspekhi Matematicheskikh Nauk (USSR) v16 n3(99) p171-4 1961.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Another trans. is available from CFSTI or SLA $1.10 as TT-63-10299, 7p.

TT-65-12121 Field 12A

Klokov, Yu. A.
A BOUNDARY VALUE PROBLEM WITH THE CONDITION AT INFINITY FOR AN ORDINARY DIFFERENTIAL EQUATION OF SECOND ORDER (Ab Adnay Kraevo'y Zadache s Ooslovyem na Byeskanyechnosti dlya Abaknavyennovo Differentsal'novo Ooravn'enia Ftaro'vo Paryadka). 8p, 4refs.
Order from SLA: $1.10 as TT-65-12121

Trans. of Uspekhi Matematicheskikh Nauk (USSR) v17 n6(108) p145-9 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12339 Field 12A

Volterra, V.
ABOUT FUNCTIONS DEPENDING ON OTHER FUNCTIONS. Communication no. 1. 27p.
Order from SLA: $2.60 as TT-65-12339

Trans. of Accademia Nazionale dei Lincei. Rendiconti (Italy) v3 p97-105 1887.

TT-65-62695 Field 12A, 20K

Mukhametzyanov, I. A.
CONSTRUCTION OF A SET OF SYSTEMS OF DIFFERENTIAL EQUATIONS DESCRIBING STABLE MOTION BY A GIVEN PROCEDURE. 12 Jul 65, 8p, 2refs. FTD-TT-65-341; AD-618 629.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 629

Unedited rough draft trans. of Universitet Druzhby Narodov, Moscow. Trudy (USSR) v1 n1 p52-5 1963.

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

A. Air conditioning, heating, lighting and ventilating

NCH-201 626 Field 13A, 20M, 20D

Brauer, H.
HEAT TRANSFER AND FLOW RESISTANCE OF FINNED TUBE BANKS IN CROSS FLOW. Jul 65. BISI-4255.
Order from BISI: L13 as BISI-4255

Trans. of Chemie-Ingenieur-Technik (West Germany) v33 n5 p327-35; n6 p431-48 1961.

TT-65-12045 Field 13A

Iversen, H. E.
ELECTRODE BOILERS WITH RING ELECTRODES (Elangpanna med Ringelektroder). 7p, (foreign text included).
Order from SLA: $1.10 as TT-65-12045

Trans. of Teknisk Tidskrift (Sweden) v83 p789-91 1953.

TT-65-12297 Field 13A

Velden, H. A. van der.; Schaffers, W. J.
CALCULATION OF NECESSARY REFRIGERATING CAPACITY IN SINKING FREEZING SHAFTS. 15p, 6refs.
Order from SLA: $1.60 as TT-65-12297

Trans. of Glueckauf (West Germany) v95 n20 p1237-44 1959.

TT-65-12330 Field 13A

Fastovskii, V. G.; Rovinskii, A. E.
RESEARCH ABOUT HEAT EFFICIENCY IN A SPIRAL CHANNEL (Issledovanie Teplootdachi v Spiral'nom Kanale). 9p, (foreign text included) 4refs.
Order from SLA: $1.10 as TT-65-12330

Trans. of Teploenergetika (USSR) v4 n1 p39-41 1957.

B. Civil engineering

TT-65-11999 Field 13B

Roubal, J.; Zdrazil, J.
INDUSTRIAL ATMOSPHERE. III. DETERMINATION OF PHENOL IN THE ATMOSPHERE OF FACTORIES OF PHENOLFORMALDEHYDE RESINS. 4p, (figs omitted)
Order from SLA: $1.10 as TT-65-11999

Trans. of Pracovni Lekarstvi (Czechoslovakia) v3 p140-50 1951.

TT-65-12152 Field 13B

Goesele, K.
ON THE CONTROL OF WALKING NOISE (Zur Daemmung von Gehgeraeuschen). 12p, (foreign text included) 6refs.
Order from SLA: $1.60 as TT-65-12152

Trans. of Gesundheits-Ingenieur (West Germany) v80 n1 p1-4 1959.

TT-65-12169 Field 13B

Baikov, B. K.
EXPERIMENTAL DATA ON THE DETERMINATION OF THE MAXIMUM PERMISSIBLE CONCENTRATION OF CS2 AND H2S WHEN PRESENT TOGETHER IN THE ATMOSPHERE. 11p, 15refs.
Order from SLA: $1.60 as TT-65-12169

Trans. of Gigiena i Sanitariya (USSR) v28 n3 p3-8 1963.

TT-65-12228 Field 13B

Heinz, H. J.; Fischer, W. K.
THE DETERGENTS IN WATER AND SEWAGE. 24p, 176refs.
Order from SLA: $2.60 as TT-65-12228

Trans. of Fette Seifen Anstrichmittel (West Germany) v64 n3 p270-9 1962.
Another trans. is available from SLA $4.60 as TT-63-14401, 45p.

TT-65-12320 Field 13B

WATER COOLED TENSION PLATES MADE OF POURED ALUMINUM FOR USE IN OZONIZATION FOR WATER PURIFICATION. 6p.
Order from SLA: $1.10 as TT-65-12320

Trans. of Aluminium (West Germany) v39 n7 p448-9 1963.

TT-65-12321 Field 13B

Kopecky, J.
EXPERIENCES IN THE OZONIZATION OF DRINKING WATER. 5p.
Order from SLA: $1.10 as TT-65-12321

Trans. of Gas, Wasser, Waerme (Austria) v17 n6 p131 1963.

TT-65-12426 Field 13B

Temme.
EFFECT OF THE TIRE TYPE ON THE GLIDE-RESISTANCE VALUE OF STREET-COVERS. 9p, 4refs.
Order from SLA: $1.10 as TT-65-12426

Trans. of Bitumen, Teere, Asphalte, Peche und Verwandte Stoffe (West Germany) v13 n3 p117-21 1962.

TT-65-27401 Field 13B

Shcherbakova, R. P.
REVETEMENTS ROUTIERS EN SOL-CIMENT EN SIBERIE OCCIDENTALE. Org. 167-64/T.85; CNRS-G/R-4530.
Order from CNRS as G/R-4530

Trans. in French of Avtomobil'nye Dorogi (USSR) v27 n7 p7-9 1964.

C. Construction equipment, materials and supplies

TT-65-12206 Field 13C

MEASURES OF CONSTRUCTIVE NOISE ABATEMENT IN CONSTRUCTION MACHINERY. 9p, 3refs.
Order from SLA: $1.10 as TT-65-12206

Trans. of unidentified German publication, 1963.

TT-65-27403 Field 13C

Akhverdov, I. N.; Luksha, L. K.
A PROPOS DE LA NATURE DE LA DESTRUCTION DU BETON AVEC DES DIFFERENTS ETATS DE TENSION. Org. 167b-64/T.87; CNRS-G/R-4532.
Order from CNRS as G/R-4532

Trans. in French of Beton i Zhelezobeton (USSR) v10 n7 p297-302 1964.

TT-65-12316 Field 13C

Camerman, C.
EFFLORESCENCE ATTRIBUTABLE TO CEMENTS. 4p, (figs omitted) 12refs.
Order from SLA: $1.10 as TT-65-12316

Partial trans. (p. 95-97) of Silicates Industriels (Belgium) v14 n5 p5-9, 26-8, 51-4, 75-9, 95-7 1949.

TT-65-12412 Field 13C

Faury, J.
THE ADDITION OF MINERAL POWDERS TO LEAN CONCRETE MIXES AND THE IMPROVEMENTS THAT ARE PRODUCED. 20p.
Order from SLA: $1.60 as TT-65-12412

Trans. of Institut Technique du Batiment et des Travaux Publics, Paris, Circulaire serie F (France) n9 22p 1942.

TT-65-27280 Field 13C

Lykov, V. G.
POSE DE VOIE AVEC TRAVERSES EN BETON ARME SUR COUCHES DE SABLE. Org. 10-128-64; CNRS-G/R-4409.
Order from CNRS as G/R-4409

Trans. in French of Transportnoe Stroitelstvo (USSR) n6 p5-7 1964.

TT-65-27402 Field 13C

Gvozdev, A. A.
LE DEVELOPPEMENT DE LA THEORIE DU BETON ARME EN U.R.S.S. Org. 167-64/T.86; CNRS-G/R-4531.
Order from CNRS as G/R-4531

Trans. in French of Beton i Zhelezobeton (USSR) v10 n8 p346-52 1964.

F. Ground transportation equipment

TT-65-11978 Field 13F

Muratov, P. G.
BASIC LOCOMOTIVE TYPES OF THE FUTURE. 9p, (refs omitted).
Order from SLA: $1.10 as TT-65-11978

Trans. of Zheleznodorozhnyi Transport (USSR) v46 n4 p22-30 1964.

TT-65-11979 Field 13F

Devyatkov, V. F.
EXPERIENCE WITH RAILWAY CARS ON ROLLER BEARINGS. 6p.
Order from SLA: $1.10 as TT-65-11979

Trans. of Zheleznodorozhnyi Transport (USSR) v46 n4 p43-8 1964.

TT-65-11980 Field 13F

Frishman, M. A.; Bezruchko, V. S.
THE PROBLEM OF RAIL FASTENINGS SHOULD BE SOLVED WITHOUT DELAY. 5p.
Order from SLA: $1.10 as TT-65-11980

Trans. of Zheleznodorozhnyi Transport (USSR) v46 n4 p57-9 1964.

TT-65-27277 Field 13F

Alterman, S. L.; Kazovskii, I. G.
POSSIBILITES DE REDUCTION DES PARCOURS A VIDE DES WAGONS. Org. 10-123-64; CNRS-G/R-4406.
Order from CNRS as G/R-4406

Trans. in French of Zheleznodoroznyi Transport (USSR) v46 n5 p10-6 1964.

TT-65-27278 Field 13F

Kreinis, Z. L.
POUR DETERMINER EXACTEMENT LA TEMPERATURE DES RAILS DANS LA VOIE SANS JOINTS. Org. 10-126-64; CNRS-G/R-4407.
Order from CNRS as G/R-4407

Trans. in French of Put' i Putevoe Khozyaistvo (USSR) n6 p15-6 1964.

TT-65-27279 Field 13F

Shulga, V. Ya.
LA DUREE DE VIE DES RAILS POSES SUR TRAVERSES EN BETON ET SUR TRAVERSES EN BOIS. Org. 10-127-64; CNRS-G/R-4408.
Order from CNRS as G/R-4408

Trans. in French of Put' i Putevoe Khozyaistvo (USSR) n6 p33-5 1964.

TT-65-27281 Field 13F

Andreev, G. E.; Pupel, L. I.
NOTE SUR L'ADOPTION D'UN SOUS-ECARTEMENT DANS LA VOIE. Org. 10-129-64; CNRS-G/R-4410.
Order from CNRS as G/R-4410

Trans. in French of Put' i Putevoe Khozyaistvo (USSR) n7 p11-2 1964.

TT-65-27282 Field 13F

Orlov, V. G.
LE NOUVEAU STATUT DES CHEMINS DE FER D'U.R.S.S. Org. 10-131-64; CNRS-G/R-4411.
Order from CNRS as G/R-4411

Trans. in French of Zheleznodorozhnyi Transport (USSR) v46 n7 p13-8 1964.

TT-65-27399 Field 13F

Gorelyshev, N. V.; Lobsova, K. Ya.
QUELQUES RESULTATS D'UNE INSTALLATION EXPERIMENTALE DES REVETEMENTS A SURFACE RUGUEUSE. Org. 167-64/T.83; CNRS-G/R-4528.
Order from CNRS as G/R-4528

Trans. in French of Avtomobil'nye Dorogi (USSR) v27 n3 p7-9 1964.

G. Hydraulic and pneumatic equipment

TT-65-12377 Field 13G

Meyer, R.
THE APTITUDE OF HYDRAULIC INSTALLATIONS TO AUTOMATIC REGULATION (Aptitude des Installations Hydrauliques a Etre Reglees Automatiquement). 27p, 5refs.
Order from SLA: $2.60 as TT-65-12377

Trans. of Revue Generale de l'Electricite (France) v62 n1 p40-6 1958.

TT-65-27343 Field 13G

Pomazan, D. A.
REPARTITION DE LA RESILIENCE DU METAL EN FONCTION DE L'EPAISSEUR DES CONDUITS DE GAZ. Org. 55-30867bis; CNRS-G/R-4472.
Order from CNRS as G/R-4472

Trans. in French of Stroitel'stvo Truboprovodov (USSR) v9 n3 p8-9 1964.

TT-65-27350 Field 13G

Kamerstein, A. G.
ETUDE DES PROPRIETES DE DEFORMATION ET D'APTITUDE A SUPPORTER LES CHARGES DES COUDES SOUDES. Org. 55-30878 bis; CNRS-G/R-4479.
Order from CNRS as G/R-4479

Trans. in French of Stroitel'stvo Truboprovodov (USSR) v9 n3 p10-3 1964.

TT-65-27351 Field 13G

Terestsenko, P. L.; Storozev, N. F.
CONTROLE DE LA RESISTANCE DES CONDUITS EN IMMERSION LIBRE AVEC PREPARATION DES TRONCONS EN SURFACE. Org. 55-30878bis; CNRS-G/R-4480.
Order from CNRS as G/R-4480

Trans. in French of Stroitel'stvo Truboprovodov (USSR) v9 n3 p14-8 1964.

TT-65-62810 Field 13G, 20D, 1A

Savashvili, R. G.; Kukhchik, G. V.
DEVICE FOR DISTRIBUTION OF A LIQUID (GAS) AMONG SELF-CONTAINED OBJECTS. 2 Aug 65, 6p.
FTD-TT-65-772; AD-618 904.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 904

Unedited rough draft trans. of Patent (USSR) 166 153. Patent appl. no. 887 028/40-23, 12 Mar 64.

H. Industrial processes

TT-65-12144 Field 13H, 11F

Defize, L. F.
PHYSICAL PHENOMENA IN THE WELDING ARC. I. 19p, 26refs.
Available on loan from SLA as TT-65-12144

Trans. of Symposium on the Metallurgy of the Welding of Steel, Utrecht, 5-12 Oct 57. Proceedings, The Hague, n.d. p5-1 .

TT-65-27433 Field 13H

Vodopyanov, K. A.; Korobov, A. I.; Komarova, N. V.
CHOIX DU REGIME D'OBTENTION DE FILMS DIELECTRIQUES PAR PRECIPITATION DE PHASE GAZEUSE.
Org. 178-379; CNRS-G/R-4562.
Order from CNRS as G/R-4562

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) n1 p49-54 1964.

TT-65-62694 Field 13H

Rybak, P. T.; Savich, V. V.
CHEMICAL MILLING. 16 Jul 65, 7p. FTD-TT-65-865; AD-618 628.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 628.

Unedited rough draft trans. of Mashinostroitel' (USSR) n3 p34-5 1964.
Available copy will not permit fully legible reproduction.

I. Machinery and tools

TT-65-12150 Field 13I

Voelkening, W.
THE COMPUTATION OF THE AXLE JOURNAL FOR A ROLLER BEARING WHEEL SET WITH LIGHT WEIGHT CONSTRUCTION VEHICLES, AND THE DANGER TO THE AXLE JOURNAL FROM FRETTING CORROSION. 13p, 6refs.
Order from SLA: $1.60 as TT-65-12150

Trans. of Leichtbau der Verkehrsfahrzeuge (West Germany) v5 n6 p255-268 1961.

TT-65-27363 Field 13I

Kobylkin, A. N.; Grigorovich, V. K.; Kishinevskii, V. B.
APPAREILLAGE POUR ESSAIS DE TRACTION A DES TEMPERATURES ELEVEES (JUSQU'A 2000C) SOUS VIDE. Org. 58-B.07.792; CNRS-G/R-4492.
Order from CNRS as G/R-4492

Trans. in French of Zavodskaya Laboratoriya (USSR) v28 n12 p1513-5 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Another trans. is available in English from CFSTI or ETC HC$1.00, MF$0.50 as TT-65-61276, 8p.

TT-65-28540 Field 13I

Dyachenko, P. E.; Tolkacheva, N. N.; Andreev, G. A.; Karpova, T. M.
DIE TATSACHLICHE BERUHRUNGSFLACHE BEI SICH UNTER DRUCK BERUHRENDEN OBERFLACHEN. 95p, 44refs.
Order from ETC or TIB: $8.60 as TT-65-28540

Trans. in German of Unidentified Russian language mono. pub. by Akademiya Nauk SSSR, Institut Mashinostroeniya, Moscow, 1963.

J. Marine engineering

TT-65-27371 Field 13J

D Yachkov, M. A.
DETERMINATION DES EFFORTS SUR LES CHAINES D'ANCRE D'UN DOCK FLOTTANT DUS A L'ACTION DYNAMIQUE DU VENT ET DE LA HOULE.
Org. 113-BFT-1516; CNRS-G/R-4500.
Order from CNRS: as G/R-4500

Trans. in French of Sudostroenie (USSR) v29 n8 p34-5 1963.

L. Safety engineering

TT-65-27332 Field 13L

Kostin, A. A.; Orlov, V. I.; Suranchev, B. A.
SIGNALISATION EN CAS D'INCIDENT DANS LA MINE.
Org. 54-E.32-43923; CNRS-G/R-4461.
Order from CNRS as G/R-4461

Trans. in French of Bezopasnost Truda v Promyshlennosti (USSR) v8 n2 p21-3 1964.

TT-65-27341 Field 13L, 13A

Ginzburg, L. I.
DETERMINATION DE L'ECHELLE GEOMETRIQUE DES MODELES DE SIMULATION POUR LA VENTILATION DES LOCAUX. Org. 55; CNRS-G/R-4470.
Order from CNRS as G/R-4470

Trans. in French of Vodosnabzhenie i Sanitarnaya Tekhnika (USSR) n12 p31-2 1963.

M. Structural engineering

TT-65-12236 Field 13M

Ohlig, R.
CONCENTRATED LOADING ON RECTANGULAR SLABS SUPPORTED ON TWO AND FOUR SIDES. 33p, 24refs.
Order from SLA: $3.60 as TT-65-12236

Trans. of Ingenieur-Archiv (West Germany) v16 p51-71 1947.

TT-65-12361 Field 13M

Lewe, V.
THE SOLUTION OF THE FLOOR SLAB PROBLEM BY FOURIER SERIES (Die Loesung des Pilzdeckenproblems durch Fouriersche Reihen). 21p, 3refs.
Order from SLA: $2.60 as TT-65-12361

Trans. of der Bauingenieur (Germany) v1 n22 p631-6 1920.

14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

TT-65-28395 Field 14B

Prasolov, R. S.
UBER METHODEN ZUR BESTIMMUNG DER OBER-FLACHENTEMPERATUR DER ABSORPTIONS-ZAHL UND DER WARMELEITFAHIGKEIT LOCKERER UND DUNNSCHICHTIGER UBERZUGE. 15p.
Order from ETC or TIB: $1.60 as TT-65-28395

Trans. in German of Izvestiya Vysshikh Uchebnykh Zavedenii, Priborostroenie (USSR) v5 n3 p122-31 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62677 Field 14B

METHODS OF HIGH-TEMPERATURE MEASUREMENT OF GASES: COMPILATION OF ABSTRACTS. 22 Jul 65, 14p, 15refs. ATD-P-65-53; AD-618 532.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 532

Consists of 8 abstracts of articles appearing in Soviet-bloc 1958-65 open literature.
Rept. on Surveys of Soviet-Bloc Scientific and Technical Literature.

TT-65-62710 Field 14B

Zimenkov, V. I.
CALIBRATION RACK. 14 Jul 65, 5p. FTD-TT-65-232; AD-618 646.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 646

Unedited rough draft trans. of Patent (USSR) 152115. Patent appl. no. 764417/26-10, 10 Feb 62.

15 MILITARY SCIENCES

No Entries

16 MISSILE TECHNOLOGY

No Entries

17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

H. Optical detection

TT-65-62703 Field 17H, 14E

Firago, B. A.
VISUAL-PHOTOGRAPHIC METHOD OF OBSERVING WEAK SATELLITES AND COSMIC ROCKETS. 24 May 65, 22p, 9refs. FTD-TT-64-519; AD-618 639.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 639

Unedited rough draft trans. of Glavnaya Astronomicheskaya Observatoriya, Pulkovo. Izvestiya (USSR) v23 n1 p169-78 1962.
Available copy will not permit fully legible reproduction.

18 NUCLEAR SCIENCE AND TECHNOLOGY

L. Reactors (Power)

TT-65-27247 Field 18L, 18E

Doroshchuk, V. E.; Markarov, Yu. N.
REACTEUR A EBULLITION D'EAU. UN EQUIPEMENT D'AVENIR POUR L'ENERGIE ATOMIQUE. 12p.
CNRS-XIX 67.
Order from ETC: $1.60 as TT-65-27247

Trans. in French of Elektricheskie Stantsii (USSR) v33 n4 p11-4 1962.
Also available from CNRS.

19 ORDNANCE

A. Ammunition, explosives, and pyrotechnics

TT-65-27446 Field 19A, 7D

Sedletskii, I. D.
ETUDE AUX RAYONS X DE LA MONOTHERMITE.
Org. 180-V. K.; CNRS-G/R-4575.
Order from CNRS as G/R-4575

Trans. in French of Akademiya Nauk SSSR. Doklady, v67 n2 p353-5 1949.

20 PHYSICS

A. Acoustics

TT-65-27398 Field 20A

Kraiko, A. N.; Naumova, I. N.; Shmyglevskii, Yu. D.
SUR LA CONSTRUCTION DE CORPS DE FORME OPTIMALE DANS UN ECOULEMENT SUPERSONIQUE.
Org. 152-64.0458 (T.11708); CNRS-G/R-4527.
Order from CNRS as G/R-4527

Trans. in French of Prikladnaya Matematika i Mekhanika (USSR) v28 n1 p178-81 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

B. Crystallography

TT-65-12262 Field 20B

Bertaut, E. F.
RECENT PROGRESS MADE IN THE CRYSTALLOGRAPHY OF SPINELS, IN PARTICULAR, OF FERRITES. 14p, 20refs.
Order from SLA: $1.60 as TT-65-12262

Trans. of le Journal de Physique et le Radium (France) v12 n3 p252-5 1951.

TT-65-62696 Field 20B, 13H

Amonenko, V. M.; Vasyutinskii, B. M.; Kartmazov, G. N.; Papirov, I. I.; Tikhinskii, G. F.
STUDY OF BERYLLIUM AND CHROMIUM WISKERS.
12 Jul 65, 8p, 8refs. FTD-TT-65-339; AD-618 630.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 630.

Unedited rough draft trans. of mono. Issledovaniya po Vysokoprochnym Splavam i Nitevidnym Kristallam. Doklady na Nauchnoi Sessi 1962 n.p. p34-6 1963.

TT-65-62700 Field 20B

Kokoshkin, V. A.
ON METHODS OF MEASUREMENT OF MICROHARDNESS ON ANISOTROPIC CRYSTALS. 14 Jul 65, 15p, 7refs.
FTD-TT-65-254; AD-618 636.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 636

Edited trans. Akademiya Nauk SSSR. Institut Metallurgii, Moscow. Trudy, n11 p114-9 1962.

C. Electricity and magnetism

TT-65-12222 Field 20C

Kessler, A.; Vicek, A.; Zinke, O.
METHODS OF CALCULATING CAPACITANCES WITH PARTICULAR CONSIDERATION OF THE SUBDIVIDED SURFACE AREA METHOD. 40p, 13refs.
Order from SLA: $3.60 as TT-65-12222

Trans. of Archiv der Elektrischen Uebertragung (West Germany) v16 n8 p365-80 1962.

TT-65-12223 Field 20C

Brenner, R.; Pfeifer, F.
SHEARING OF THE INITIAL PERMEABILITY IN LAMINATED CORES WITH ALTERNATE LAYERS. 24p, 3refs.
Order from SLA: $2.60 as TT-65-12223

Trans. of Frequenz (West Germany) v14 n5 p167-81 1960.
Another trans. is available from ATS $29.85 as ATS-78R80G (24p).

TT-65-12224 Field 20C

Stein, K. U.
MAGNETIC FIELD INTENSITY O IN STRIP LINES.
15p, 13refs.
Order from SLA: $1.60 as TT-65-12224

Trans. of Frequenz (West Germany) v17 n1 p462-5 1963.

TT-65-12225 Field 20C

Feldtkeller, E.
WALL MOTION COERCIVE FIELD IN ANISOTROPIC Ni-Fe FILMS. 29p, 20refs.
Order from SLA: $2.60 as TT-65-12225

Trans. of Zeitschrift fuer Angewandte Physik (Germany) v15 n3 p206-13 1963.

TT-65-12226 Field 20C

Stemme, O.
DETERMINATION OF THE EFFECT OF THE SUBSTRATE ENVIRONMENT ON THIN EVAPORATED FILMS BY MEASURING THE SATURATION MAGNETIZATION. 12p, 5refs.
Order from SLA: $1.60 as TT-65-12226

Trans. of Zeitschrift fuer Angewandte Physik (Germany) v17 n2 p108-10 1964.

TT-65-12227 Field 20C

Jona, F.
ELASTICITY OF PIEZOELECTRIC AND FERROELECTRIC CRYSTALS. 58p, 34refs.
Order from SLA: $5.60 as TT-65-12227

Trans. of Helvetica Physica Acta (Switzerland) v23 n6/7, p795-844 1950.

TT-65-12237 Field 20C

Ginzburg, V. L.
THEORY OF FERROELECTRIC EFFECTS. 45p, 18refs.
Order from SLA: $4.60 as TT-65-12237

Trans. of Usphekhi Fizicheskikh Nauk (USSR) v38 n3 p490-525 1941.

TT-65-27204 Field 20C

Shur, Ya. S.; Glazer, A. A.; Shtolts, E. V.
CONTRIBUTION A L'ETUDE DE LA NATURE DE L'INSTABILITE THERMIQUE DE L'INDUCTION RESIDUELLE DES AIMANTS PERMANENTS CONSTITUES D'ALLIAGES EN POUDRE DE MnBi (O Prirode Temperaturnoi Nestabil'nosti Ostatochnoi Induktsii Postoyannykh

Magnitov iz Poroshkov Splava MnBi). 18p, (foreign text included) 8refs. CNRS-XVII 742.
Order from ETC: $1.60 as TT-65-27204

Trans. in French of Fizika Metallov i Metallovedenie (USSR) v14 n4 p523-8 1962.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Also available from CNRS.

TT-65-27397 Field 20C

Dunayev, F. N.
SUR LE TRAITEMENT THERMOMAGNETIQUE DES METAUX FERRO-MAGNETIQUES.
Org. 152-63.1184(T.11681); CNRS-G/R-4526.
Order from CNRS as G/R-4526

Trans. in French of Fizika Metallov i Metallovedenie (USSR) v16 n3 p137-9 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62663 Field 20C, 9C

Levintov, I. I.
APPROXIMATE EXPRESSION OF THE 3/2 LAW FOR A CONFINED CATHODE IN A HOMOGENEOUS FIELD.
15 Jul 65, 10p, 1ref. FTD-TT-65-786; AD-618 320.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 320

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, v85 n6 p1247-50 1952.

TT-65-62709 Field 20C, 7D

Dulov, A. A.; Liogonkii, B. I.
ELECTRIC AND MAGNETIC PROPERTIES OF POLYARYLENQUINONES. 8 Jun 65, 8p, 6refs. FTD-TT-65-158; AD-618 645.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 645

Unedited rough draft trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n5 p909-12 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

D. Fluid mechanics

TT-65-62653 Field 20D

Ito, Hidesato.
ON THE PRESSURE LOSS OF TURBULENT FLOW THROUGH CURVED PIPES (REPORT 1). Jun 65, 20p, 6refs. RSIC-425; AD-618 204.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 204.
Trans. of Tohoku Daigaku Kosoku Rikigaku Kenkyujo Hokoku (Japan) v8 n76 p63-76 1952.

TT-65-62662 Field 20D

Popov, Yu.; Pukhnachev, Yu.; Pushkin, A. S.; Isakovskii, M.; Pasternak, B.
PNEUMONICS. 19 Jul 65, 21p. FTD-TT-65-742; AD-618 319.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 319

Unedited rough draft trans. of Nauka i Zhizn (USSR) v32 n1 p10-8 1965.

E. Masers and lasers

TT-65-62666 Field 20E

Basov, N. G.; Belenov, E. M.; Letokhov, V. S.
DIFFRACTION SYNCHRONIZATION OF LASERS (Difraktsionnaya Sinkhronizatsiya Opticheskikh Kvantovykh Generatorov). 16 Jul 65, 8p, 8refs. ATD-T-65-47; AD-618 389.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 389

Trans. of Akademiya Nauk SSSR. Doklady, v161 n3 p556-9 1965.

F. Optics

TT-65-12311 Field 20F

Grau, G.
THERMAL AND LASER RADIATION AS INFORMATION CARRIERS. 9p, 7refs.
Order from SLA: $1.10 as TT-65-12311

Trans of Archiv der Elektrischen Uebertragung (West Germany) v18 n1 p1-4 1964.

TT-65-12340 Field 20F

Abeles, F.
REFLECTIVITY AND TRANSMISSIVITY FACTORS OF VERY THIN METALLIC FILMS. A NEW METHOD FOR DETERMINING THEIR INDICES AND THICKNESSES. 25p, 12refs.
Order from SLA: $2.60 as TT-65-12340

Trans. of Revue d'Optique Theorique et Instrumentale (France) v32 n5 p257-68 1953.

TT-65-27205 Field 20F

Popov, L. V.
INFLUENCE DES ATOMES METASTABLES DE MERCURE SUR LA LUMINESCENCE DES VAPEURS DE CALCIUM DANS UN TUBE A DECHARGE AVEC UNE CATHODE TUBULAIRE (Vlyanie Metastabil'nykh Atomov Rtuti na Svechenie Parov Kal'tsiya v Razryadnoi Trubke s Polym Katodom). Tr. by Giuliani. 23p, (foreign text included) 9refs. CNRS-XXVIII 134.
Order from ETC: $2.60 as TT-65-27205

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) v13 n3-4 p85-92 1943.
Also available from CNRS.

TT-65-27233 Field 20F

Tuszynski, W.; Ziemba, B.
APPAREIL POUR LA DETERMINATION DE L'ABERRATION OPTIQUE DU VERRE PLAT (ONDULOGRAPHE). 9p, 6refs. CNRS-VI 1213.
Order from ETC: $1.10 as TT-65-27233

Trans. in French of Szklo i Ceramika (Poland)
v14 n11 p289-90 1963.
Also available from CNRS.

TT-65-62713 Field 20F

OPTICAL AND OPTICAL-ELECTRONIC INSTRUMENTS (COLLECTION OF ARTICLES). 6 Apr 65, 166p.
FTD-MT-64-139; AD-618 649.
Available on loan from CFSTI as TT-65-62713

Edited machine trans. of Moskovskoe Vysshee Tekhnicheskoe Uchilishche. Trudy (USSR) v110 p1-135 1962.
Document is not reproducible and is available from the Clearinghouse on loan only.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

H. Particle physics

TT-65-12278 Field 20H, 20G

Erozolimskii, B. G.; Mostovoi, Yu. A.; Obinyakov, B. A.
A DIRECT METHOD OF MEASURING THE POLARIZATION OF A BEAM OF SLOW ELECTRONS. 6p, 5refs.
Order from SLA: $1.10 as TT-65-12278

Trans. of mono. Pryamoi Metod Izmereniya Polyarizatsii Puchka Medlennykh Neitronov, n.p. n.d. 8p.

I. Plasma physics

TT-65-12012 Field 20I

Peters, Th.
TEMPERATURE AND RADIATION MEASUREMENTS ON WATER-STABILIZED HIGH PRESSURE ARCS. 21p, (figs tables formulae omitted) 19refs.
Order from SLA: $2.60 as TT-65-12012

Trans. of Zeitschrift fuer Physik (West Germany) v135 n5 p573-92 1953.
Another trans. is available from SLA as TT-57-2928, AEC-tr-2910, 19p.

TT-65-12335 Field 20I

Seeliger, R.
INVESTIGATIONS IN THE FIELD OF GAS DISCHARGE PHYSICS. 12p, 14refs.
Order from SLA: $1.60 as TT-65-12335

Trans. of Zeitschrift fuer Naturforschung (West Germany) v8a n1 p74-9 1953.

TT-65-12337 Field 20I

Seeliger, R.; Wichmann, A.
INVESTIGATIONS ON THE POSITIVE COLUMN OF THE GLOW DISCHARGE IN OXYGEN. I. 15p, 3refs.
Order from SLA: $1.60 as TT-65-12337

Trans. of Annalen der Physik (East Germany) v9(s6) n5 p235-44 1951.

TT-65-62676 Field 20I, 21B

Yarin, L. P.
AERODYNAMIC CALCULATION OF A GAS FLAME IN MAGNETOHYDRODYNAMICS (K Aerodinamicheskomu Raschetu Gazovogo Fakela v Magnitnoi Gidrodinamike). 28 Jul 65, 15p, 10refs. ATD-T-65-58; AD-618 512.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 512

Trans. of Teplofizika Vysokikh Temperatur (USSR) v3 n2 p285-93 1965.
Report on Soviet-Bloc Scientific and Technical Literature.

TT-65-62790 Field 20I, 21B, 21D, 10B

Grycz, B.
COMBUSTION PRODUCTS PLASMA OF C2H2 + 02 (Plasma Spalin C2H2 + 02). Aug 65, 21p, 16refs.
AERDL-T-1749-65; AD-618 724.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 724

Trans. of Chekhoslovatskii Fizicheskii Zhurnal, v14 p509-21 1964.
Translated under contract DA44 009AMC930T.

J. Quantum theory

TT-65-12338 Field 20J, 20F

Cohen-Tannoudji, C.
QUANTUM THEORY OF THE OPTICAL PUMPING CYCLE: EXPERIMENTAL VERIFICATION OF NEW PREDICTED EFFECTS. 75p, (13refs omitted) 26refs.
Order from SLA: $7.60 as TT-65-12338

Trans. of Annales de Physique (France) v7 (s 13) n9/10 p469-504 1962.

K. Solid mechanics

TT-65-12264 Field 20K, 21E

Dyban, E. P.; Kondak, N. M.; Shvets, I. T.
HEAT-EXCHANGE BETWEEN CONTACTING PARTS. Paper presented at the Academy of Sciences of the USSR. Scientific Session of the Commission on Gas Turbines (no. 6) Apr 54. 26p, 1ref.
Order from SLA: $2.60 as TT-65-12264

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, n9 p63-79 1954.
Another trans. is available from CFSTI or SLA $1.60 as TT-61-23520, 16p.

TT-65-12285 Field 20K

Favre, H.
ELASTICITY - ON THE LAW OF SECOND APPROXIMATION GOVERNING THE DEFORMATION OF A HORIZONTAL GROUND LEVEL UNDER THE INFLUENCE OF A LOAD DISTRIBUTED OVER A SEGMENT OF THE LINE. 6p.
Order from SLA: $1.10 as TT-65-12285

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v251 n23 p2653-5 1960 (pub. by Gauthier-Villars et Cie., Paris).

TT-65-62660 Field 20K, 13M

Bolotin, V. V.
ANALYSES OF DESIGN ELEMENTS UNDER DYNAMIC LOADS (SECTION IV). 20 May 65, 75p, 136refs.
FTD-MT-64-522; AD-618 317.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-618 317

Edited machine trans. of Raschety na Prochnost'. Teoreticheskie i Eksperimental'nye Issledovaniya Prochnosti Mashinostroitel'nykh Konstruktsii. Sbornik Statei (USSR) n10 p211-60 1964.
Available copy will not permit fully legible reproduction.

TT-65-62661 Field 20K

Akulov, N. S.; Shukevich, A. K.
APPLICATION OF STATISTICAL THEORY OF DISLOCATIONS TO DERIVATION OF BASIC RELATIONSHIPS FOR STRENGTHENING CURVES. 14 Jul 65, 8p, 6refs. FTD-TT-65-346; AD-618 318.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 318

Unedited rough draft trans. of Akademiya Navuk BSSR, Minsk. Doklady, v7 n7 p453-5 1963.
Another trans. is available from CFSTI $2.25 in TT-63-41255 (p. 1-6).

L. Solid-state physics

TT-65-12049 Field 20L

Khlapova, A. N.; Burovaya, E. E.
ROENTGENOGRAPHIC AND CRYSTALLO-OPTICAL INVESTIGATION OF FUSIONS OF THE SYSTEM Na_2SO_4-Na_2CO_3. 37p, (figs omitted) 20refs.
Order from SLA: $3.60 as TT-65-12049

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v2 n8 p1864-82 1957.
Another trans. is available from K-H $36.00 as K-H-8653, 36p.

TT-65-12061 Field 20L

Galletti, A.
POLYMER FILMS AS DIELECTRICS. 18p.
Order from SLA: $1.60 as TT-65-12061

Trans. of Materie Plastiche (Italy) v29 n7 p984-90 1963.

TT-65-12158 Field 20L

Hamann, C.; Starke, M.
INVESTIGATION OF THE ELECTRICAL AND THERMOELECTRIC PROPERTIES OF THE MODIFICATIONS OF METAL FREE PHTHALOCYANINE. 19p, 31refs.
Order from SLA: $1.60 as TT-65-12158

Trans. of Physica Status Solidi (Germany) v4 n3 p509-20 1964.

TT-65-12218 Field 20L

Kunz, C.
ON THE ANGULAR DEPENDENCE OF THE CHARACTERISTIC ENERGY LOSS IN Al, Si, Ag. 25p, 22refs.
Order from SLA: $2.60 as TT-65-12218

Trans. of Zeitschrift fuer Physik (West Germany) v167 n1 p53-71 1962.

TT-65-12230 Field 20L

Boltaks, B. I.; Dzhafarov, T. D.; Sokolov, V. I.; Shishiyanu, F. S.
DIFFUSION AND ELECTRICAL TRANSPORT OF ZINC IN GALLIUM ARSENIDE. 22p, 11refs.
Order from SLA: $2.60 as TT-65-12230

Trans. of Fizika Tverdogo Tela (USSR) v6 n5 p1511-9 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-12232 Field 20L

Haasen, P.
DISLOCATIONS AND PLASTICITY OF GERMANIUM AND InSb. Paper presented at Physikertagung, Pyrmont, 4 Apr 63. 82p, 62refs.
Order from SLA: $8.10 as TT-65-12232

Trans. of manuscript to be published in mono. Festkoerperprobleme, v. 3, Braunschweig, n.d.

TT-65-12255 Field 20L

Mesnard, G.; Eymann, C.
ELECTRONIC CHARACTERISTICS OF SINGLE CRYSTALS OF ZINC OXIDE CONTAINING 'ACCEPTOR' ELEMENTS. 7p, 9refs.
Order from SLA: $1.10 as TT-65-12255

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v258 n14 p3672-5 1964 (pub. by Gauthier-Villars et Cie., Paris).
Another trans. is available from SLA $1.10 as TT-65-12322, 3p.

TT-65-12263 Field 20L

Bublik, A. I.; Pines, B. Ya.
PHASE TRANSITION DURING A CHANGE IN THICKNESS IN FINE METALLIC FILMS. 12p, 9refs.
Order from SLA: $1.60 as TT-65-12263

Trans. of Akademiya Nauk SSSR. Doklady v87 n2 p215-8 1952.
Other trans. are available from CFSTI or SLA $1.10 as TT-62-19823 7p and from MDF $3.50 as MDF-B-145 7p.

TT-65-12342 Field 20L

Ferroni, E.; Cocchi, M.
SYMMETRY RELATIONSHIPS AT THE INTERFACE IN EPITAXY. 40p, 117refs.
Order from SLA: $3.60 as TT-65-12342

Trans. of Accademia Nazionale dei Lincei. Classe di Scienze Fisiche, Matematiche e Naturali. Memorie (Italy) v5(S8) p117-48 1958.

TT-65-12398 Field 20L

Balshin, M. Yu.
RELATIONS BETWEEN THE POROSITY, THE CONTACT CROSS SECTION, AND THE PROPERTIES OF POWDERS. 9p, 8refs.
Order from SLA: $1.10 as TT-65-12398

Trans. of Akademiya Nauk SSSR. Doklady, v154 n1 p80-2 1964.

TT-65-12416 Field 20L

Fischer, K.; Schram, A.
OPTIC PROPERTIES OF POLYCRYSTALLINE SYSTEMS IN FUNCTION OF THE TEMPERATURE. 12p, 9refs.
Order from SLA: $1.60 as TT-65-12416

Trans. of Angewandte Chemie (West Germany) v68 n12 p406-11 1956.
Another trans. of p. 406-408 is available from SLA $1.10 as TT-64-20881, 6p and of p. 408-411 as TT-64-20921, 12p.

TT-65-27222 Field 20L

Komnik, Yu. F.
SUR LA CAUSE POSSIBLE DE LA DIMINUTION DE LA DISTANCE RETICULAIRE DANS LES FILMS MINCES. 15p, 22refs. CNRS-XXVIII 136.
Order from ETC: $1.60 as TT-65-27222

Trans. in French of Fizika Tverdogo Tela (USSR) v6 n2 p611-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.
Also available from CNRS.

T-65-27364 Field 20L

Korolkov, A. M.
TENSION SUPERFICIELLE DE L'ALUMINIUM ET DE SES ALLIAGES. Org. 58-B.08.363; CNRS-G/R-4493.
Order from CNRS as G/R-4493

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, n2 p35-42 1956.
Another trans. is available from ATS as ATS-46K21R, 9p.

TT-65-27430 Field 20L

Komnik, Yu. F.
OBSERVATION DES DEFAUTS DE TASSEMENT DANS DES FILMS MINCES D'ARGENT, A L'AIDE D'ELECTRONOGRAPHIE. Org. 178-376; CNRS-G/R-4559.
Order from CNRS as G/R-4559

Trans. in French of Fizika Tverdogo Tela (USSR) v6 n3 p873-8 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27431 Field 20L

Mordkovich, V. N.
L'EFFET DE L'OXYGENE SUR LA CONDUCTIBILITE DU SILICIUM. Org. 178-375; CNRS-G/R-4560.
Order from CNRS as G/R-4560

Trans. in French of Fizika Tverdogo Tela (USSR) v6 n3 p847-51 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27432 Field 20L

Demikhovskii, V. Ya.; Tavger, B. A.
DISPERSION DES ELECTRONS PAR DES VIBRATIONS ACOUSTIQUES DANS LES FILMS MINCES DE SEMICONDUCTEURS. Org. 178-e 377; CNRS-G/R-4561.
Order from CNRS as G/R-4561

Trans. in French of Fizika Tverdogo Tela (USSR) v6 n3 p960-2 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27441 Field 20L

Nesterenko, B. A.; Pasechnik, Yu. A.; Snitko, O. V.; Frolov, C. S.
RECHERCHE SUR L'EFFET DE CHAMP DANS LES COUCHES MINCES DE SULFURE DE PLOMB. Org. 178-278; CNRS-G/R-4570.
Order from CNRS as G/R-4570

Trans. in French of Fizika Tverdogo Tela (USSR) v5 n11 p3199-206 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27442 Field 20L

Kagan, M. S.; Lifshits, T. M.; Musatov, A. L.; Sheronov, A. A.
EMISSION AUTO-ELECTRIQUE DU GERMANIUM HAUTEMENT OHMIQUE. Org. 178-359; CNRS-G/R-4571.
Order from CNRS as G/R-4571

Trans. in French of Fizika Tverdogo Tela (USSR) v6 n3 p722-7 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-62697 Field 20L, 7D, 9A, 20B

Kuznetsov, F. A.
MICROMINIATURIZATION OF ELECTRONIC DEVICES AND PROBLEMS OF CHEMISTRY. 16 Jul 65, 16p.
FTD-TT-65-864; AD-618 631.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 631.

Unedited rough draft trans. of Akademiya Nauk SSSR. Vestnik, v34 n6 p51-7 1964.
Available copy will not permit fully legible reproduction.

M. Thermodynamics

TT-65-12198 Field 20M

Poljak, G.
ANALYSIS OF THE HEAT EXCHANGE BY RADIATION BETWEEN GRAY SURFACES BY THE SALDO-METHOD. 42p, 6refs.
Order from SLA: $4.60 as TT-65-12198

Trans. of Technical Physics of the USSR, v1 n5/6 p555-90 1935.

TT-65-12240 Field 20M

Cordier, H.; Maimi, R.
EXPERIMENTAL STUDY OF THE INFLUENCE OF PRESSURE ON THERMAL CONTACT RESISTANCE. 5p, 3refs.
Order from SLA: $1.10 as TT-65-12240

Trans. of Academie des Sciences, Paris, Comptes Rendus (France) v250 n17 p2853-5 1960 (pub. by

Gauthier-Villars et Cie., Paris).
Another trans. is available from SLA $1.10 as TT-63-10777, 5p.

TT-65-12375 Field 20M

Szilard, L.
ON ENTROPY-REDUCTION IN A THERMODYNAMIC SYSTEM THROUGH THE INTERVENTION OF AN INTELLIGENT BEING (Ueber die Entorpieverminderung in einen Thermodynamischen System bei Eingriffen Intelligenter Wesen). 25p, 2refs.
Order from SLA: $2.60 as TT-65-12375

Trans. of Zeitschrift fuer Physik (Germany) v53 p840-56 1929.

TT-65-27285 Field 20M

Veronin, F. S.; Leichuk, V. L.
LA TRANSMISSION DE LA CHALEUR D'UN GAZ A LA PAROI DANS LE CAS D'UN ECOULEMENT TURBULENT A L'INTERIEUR D'UN TUBE.
Org. 30-1.1.9; CNRS-G/R-4414.
Order from CNRS: as G/R-4414

Trans. in French of Teploenergetika (USSR) v10 n4 p61-6 1963.
Another trans. is available in English from CFSTI or ETC HC$1.00, MF$0.50 as TT-65-60376, CE-Trans-3510, 10p.

TT-65-27286 Field 20M

Brodyanskii, V. M.
ANALYSE THERMODYNAMIQUE DES PROCESSUS DE LIQUEFACTION DES GAZ. Org. 30-1.1.70; CNRS-G/R-4415.
Order from CNRS as G/R-4415

Trans. in French of Inzhenerno-Fizicheskii Zhurnal (USSR) v6 p36-42 1963.
Another trans. is available in English from CFSTI $3.00 in TT-64-21276 (p.46-56) JPRS-22715, 13 Jan 64, 11p.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27292 Field 20M

Ulyanov, R. A.; Tarasov, N. D.; Mikhailov, Ya. D.
INFLUENCE DES ADDITIONS SUR LA DILATATION THERMIQUE DU NIOBIUM. Org. 36-6582; CNRS-G/R-4421.
Order from CNRS as G/R-4421

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) v6 n5 p116-20 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27355 Field 20M

Krivoshein, B. L.; Galiullin, Z. T.
COMPORTEMENT THERMO-DYNAMIQUE DES PHASES LORS DE LA DETENTE DE MELANGES GAZEUX.
Org. 55-30795bis; CNRS-G/R-4484.
Order from CNRS as G/R-4484

Trans. in French of Gazovaya Promyshlennost (USSR) v9 n3 p13-6 1964.

21 PROPULSION AND FUELS

B. Combustion and ignition

TT-65-27344 Field 21B

Aslanov, S. K.
OBSERVATIONS SUR LE TRAVAIL DE P.M. ZAJDEL SUR LA POSSIBILITE DE LA COMBUSTION STABLE.
Org. 55; CNRS-G/R-4473.
Order from CNRS as G/R-4473

Trans. in French of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n4 p97-8 1963.

D. Fuels

TT-65-12294 Field 21D

Meier zu Koecker, H.
THE EFFECT OF THE HYDROCARBON COMPONENTS ON THE SOOT FORMING TENDENCY OF LIQUID FUELS FOR EVAPORATION BURNERS. 15p, 11refs.
Order from SLA: $1.60 as TT-65-12294

Trans. of Brennstoff-Chemie (West Germany) v43 n5 p129-34 1962.

TT-65-12470 Field 21D

Herbst, G.
CARBON BLACK FORMATION FROM HYDROCARBONS IN COKERY GAS OR IN SIMILAR FUEL GASES AND A POSSIBILITY OF ITS MODULATION. Paper presented at 'Gas Chemiker Erfahrungsaustausch' Essen, 19 Sep 62. 12p, 19refs.
Order from SLA: $1.60 as TT-65-12470

Trans. of Brennstoff-Chemie (West Germany) v44 n1 p1-5 1963.

TT-65-27315 Field 21D

Balkaldina, A. P.
INFLUENCE DE LA COMPOSITION PETROGRAPHIQUE DES CHARBONS SUR LEUR APTITUDE A LA SORPTION DU METHANE. Org. 54-I.11-44263; CNRS-G/R-4444.
Order from CNRS as G/R-4444

Trans. in French of Gornyi Zhurnal (USSR) n4 p10-2 1964.

TT-65-27316 Field 21D

Babin, P. P.
GARANTIE DE CONDITIONS NORMALES DU TRAVAIL DANS LES ATELIERS DE PREPARATION DU CHARBON ET AUX TRIAGES DE COKE. Org. 54-K.20-43948; CNRS-G/R-4445.
Order from CNRS as G/R-4445

Trans. in French of Koks i Khimiya (USSR) n2 p48-52 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27317 Field 21D

Aivenko, D. D.
NETTOYAGE DE L'EMPILAGE DE LAVEURS.

Org. 54-K.71-44216; CNRS-G/R-4446.
Order from CNRS as G/R-4446

Trans. in French of Koks i Khimiya (USSR)
n3 p54-5 1964.

TT-65-27324 Field 21D

Kopeliovich, L. V.; Zakhareva, M. A.; Ivanov, N. K.
INFLUENCE DE L'USURE DES BISEAUX ACTIFS DES MARTEAUX DES BROYEURS SUR LA GRANULOMETRIE DE LA PATE A COKE. Org. 54-I.31-44685; CNRS-G/R-4453.
Order from CNRS as G/R-4453

Trans. in French of Koks i Khimiya (USSR)
n5 p10-2 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27325 Field 21D

Kuznetzov, M. D.; Lyannaya, Z. G.; Nepomnyashchii, A.F.; Grobenyuk, A. F.; Novitskii, P. L.
SECHAGE DES CONCENTRES DE CHARBON DANS UNE INSTALLATION A DEPLACEMENT DIRIGE DE LA COURBE FLUIDIDEE. Org. 54-I.56-44349; CNRS-G/R-4454.
Order from CNRS as G/R-4454

Trans. in French of Koks i Khimiya (USSR)
n4 p14-6 1964.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 2.

TT-65-27327 Field 21D

Shvets, V. V.
TYPE RATIONNEL DE COURONNE POUR FORATION ROTATIVE AU CHARBON. Org. 54-C.22-44300; CNRS-G/R-4456.
Order from CNRS as G/R-4456

Trans. in French of Ugol (USSR) v39 n4 p45-8 1964.

TT-65-27347 Field 21D

Zatsepin, K. S.; Bukhtyarov, N. T.
CONDUITES EN MATIERES PLASTIQUES POUR LE TRANSPORT DU GAZ, DU PETROLE ET DES PRODUITS PETROLIERS. Org. 55-30695bis; CNRS-G/R-4476.
Order from CNRS: as G/R-4476

Trans. in French of Stroitel'stvo Truboprovodov (USSR) v9 n2 p9-11 1964.

TT-65-27357 Field 21D

Burnykh, V. S.; Kobtsev, A. F.
ENTHALPIE DES GAZ NATURELS DU GISEMENT DE SEBELINKA ET AUTRES. Org. 55-30823bis; CNRS-G/R-4486.
Order from CNRS as G/R-4486
Trans. in French of Gazovaya Promyshlennost (USSR) v9 n3 p7-12 1964.

TT-65-27360 Field 21D

Kudryasev, L. I.; Tsererin, V. A.
ESTIMATION QUALITATIVE DE L'INFLUENCE DES TRANSISTORS SUR LA RESISTANCE GAZODYNAMIQUE DES GAZODUCS A GRANDS DIAMETRES. Org. 55-29452bis; CNRS-G/R-4489.
Order from CNRS as G/R-4489

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v6 n6 p85-7 1963.

TT-65-27467 Field 21D

Siska, L.; Janas, J.; Rozehnal, V.
DEBIT EN METHANE ET VITESSE DE CONVERGENCE. Org.54-D.100-44406; CNRS-G/X-1671.
Order from CNRS: as G/X-1671

Trans. in French of Uhli (Czechoslovakia)
v6 n5 p158-61 1964.

E. Jet and gas turbine engines

TT-65-27294 Field 21E

Zenukov, A. G.
METHODE DE CALCUL ET RESULTATS DE RECHERCHES EXPERIMENTALES RELATIFS AUX AILETTES DE TURBINES REFROIDIES PAR AIR. Org. 36-6589; CNRS-G/R-4423.
Order from CNRS as G/R-4423

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) v6 n3 p57-69 1963.
Another trans. is available in English from CFSTI or ETC $3.00 in TT-64-21268, JPRS:22703 (p. 77-95) 13 Jan 64, 19p.

TT-65-62711 Field 21E

Abramovich, R. B.; Arinushkin, L. S.; Vainbaum, I. F.; Dumov, V. I.; Mikhailov, Yu. N.
CENTRIPETAL GAS TURBINE. 14 Jul 65, 5p.
FTD-TT-65-198; AD-618 647.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 647

Unedited rough draft trans. of Patent (USSR) 166 555.
Patent appl. no. 843067/24-6, 24 Jun 63.

G. Reciprocating engines

TT-65-12156 Field 21G

Rossenbeck, M.
CARBURATOR ICING: APPEARANCE AND PREVENTION. 19p, 22refs.
Order from SLA: $1.60 as TT-65-12156
Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v15 p790-9 1962.

TT-65-27425 Field 21G

Gitlin, N. N.; Kalugin, K. P.
CHOIX DE MODELE RATIONNEL DE POMPES A ESSENCE (REFOULANTE) POUR AUTOMOBILE. Org. 178-38; CNRS-G/R-4554.
Order from CNRS as G/R-4554
Trans. in French of Avtomobil'naya Promyshlennost' (USSR) v28 n1 p21-3 1962.

TT-65-27426 Field 21G

Frezinskii, M. L.
NOUVELLES TENDANCES DANS LE DEVELOPPEMENT DE GENERATEUR DE COURANT ALTERNATIF POUR AUTOMOBILES. Org. 178-17; CNRS-G/R-4555.
Order from CNRS as G/R-4555

Trans. in French of Avtomobil'naya Promyshlennost' (USSR) v28 n4 p31-4 1962.

22 SPACE TECHNOLOGY

A. Astronautics

TT-65-62671 Field 22A

VOSKHOD-1 AND VOSKHOD-2 FLIGHTS. 8 Jul 65, 32p, 68refs. ATD-P-65-46; AD-618 388.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 388

Review of Soviet and Soviet-bloc open literature. Rept. on Surveys of Soviet-Bloc Scientific and Technical Literature.

B. Spacecraft

TT-65-12183 Field 22B, 21E

Ackeret, J.
JET PROPULSION IN INTERPLANETARY SPACE. 19p, (figs omitted) 10refs.
Order from SLA: $1.60 as TT-65-12183

Trans. of Schweizerische Bauzeitung, v79 n46 p841-4 1961.

C. Spacecraft trajectories and reentry

TT-65-62704 Field 22C, 14E

Krylov, A. G.
EXPERIENCE OF TRACKING WITH THE NAFA-3S/25 CAMERA. 25 May 65, 10p. FTD-TT-65-115; AD-618 640.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-618 640
Unedited rough draft trans. of Byulleten' Stantsii Opticheskogo Nablyudeniya Iskusstvennykh Sputnikov Zemli (USSR) n29 p33-7 1962.
Available copy will not permit fully legible reproduction.